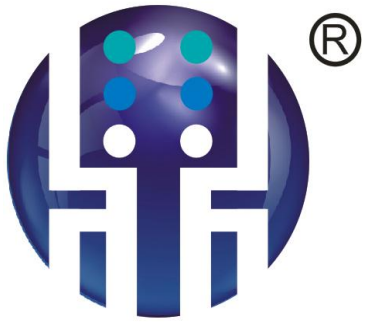




Dingzhi Polymer

Professional Raw Material Manufacturer

June, 2025

Factory Address: Room 101, Building 1, No. 675 Taiping Wei Street, Jici Gang, Huangjiang Town, Dongguan City, Guangdong Province, China
Tel: +86-769-82304560, +86-769-82304058 <http://www.experttpu.com>



Contents

- » **About Dingzhi Polymer**
- » **TPU Raw Material (DZ series)**
- » **High Transparent TPU (DH series)**
- » **Anti-UV TPU (DU series)**
- » **Flame-retardant TPU (DV series)**
- » **Fiber TPU (GF series)**
- » **Conductive TPU (DCD series)**

- » **Anti Static TPU (DAS series)**
- » **Hotmelt TPU (DHMA series)**
- » **Polyether TPU (DM series)**
- » **GRS Recycled Materials (DG Series)**
- » **Color Matching TPU (DCM series)**
- » **Brand Plastic Pellets**



About Dingzhi Polymer

Dingzhi polymer is the raw material manufacturer which was established in 2008 and is located in Dongguan City, Guangdong Province, China. Specializing in Production lines cover brand new TPU Materials ,GRS Recycled Materials and TPU modification.

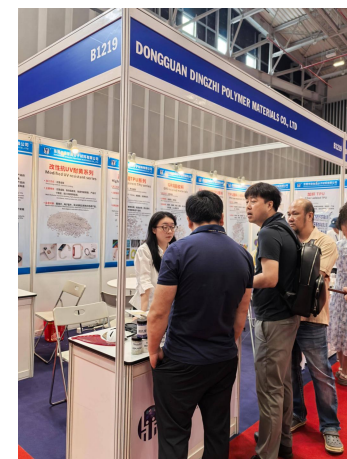
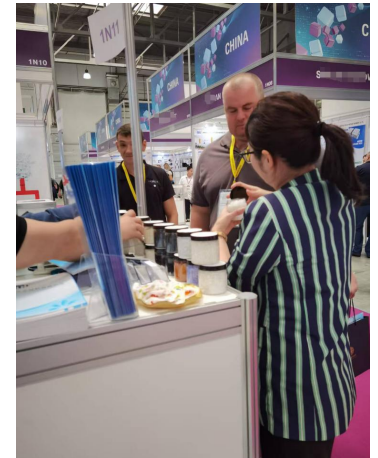
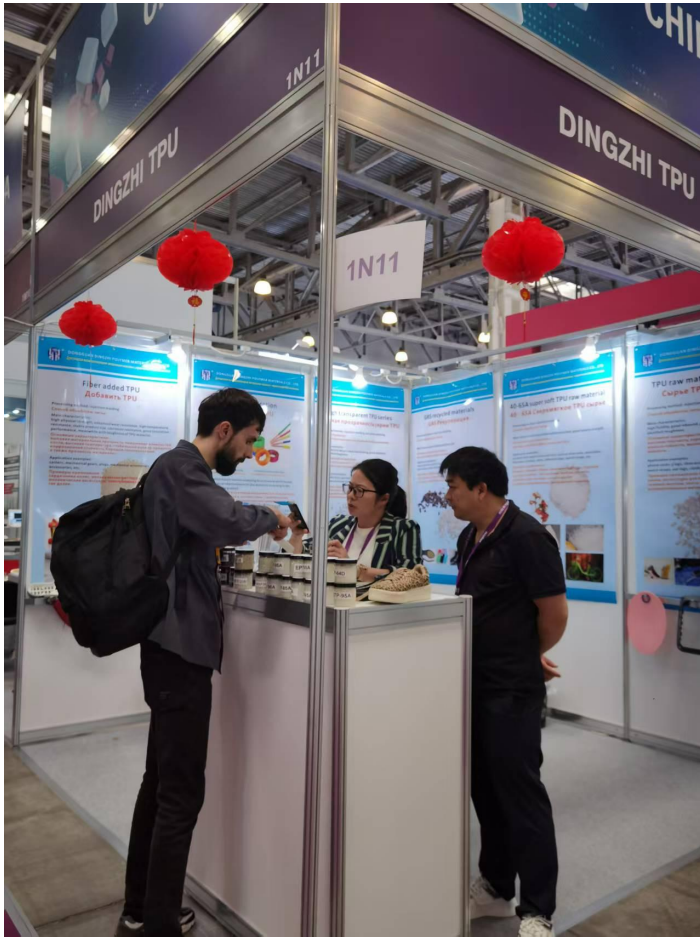
Dingzhi keeps R & D, famous for its fiber TPU, Anti UV TPU, Flame-retardant TPU , Anti static TPU, high transparent TPU, Hotmelt TPU and color matching. These materials are widely use in shole sole, Foam sole, Mat, Seal, Adhesive material,Watch strap, Mechanical gear,Plug, Skate wheel, Light strip, Pet toys, Belt, Extruded pipes, Jump rope,Zipper head,Ear tag, clothes````





About Dingzhi Polymer

Exhibitions





Certificates

UONE			
Report No.: U02103240402613-2E	Query Password: QW6224	Date: Apr. 8, 2024	Page 1 of 9
MATERIAL SAFETY DATA SHEETS (MSDS)			
Apply Company	Dongguan Dingzhi polymer materials Co., Ltd.		
Contact information	Room 101, Building 1, No. 675 Taiping Wei Street, Jici Gang, Huangjiang Town, Dongguan City, Guangdong Province		
Product Name	TPU raw material		
Model No.	DZ series		
Series Model	DY series, EP series		
Prepared by	Shen Zhen UONE Test Co., LTD.		
Sample No.	U02103240402613-2		
Implementation date	Apr. 8, 2024		
Report date	Apr. 8, 2024		
Signed for and on behalf of Shen Zhen UONE Test Co. LTD. Prepared by Checked by Approved by Mox Max Wu Thea Thea Ye Hedy Hedy Xu This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software version 7.0. 深圳市优耐检测有限公司 Shen Zhen UONE Test Co., LTD. 深圳市宝安区西乡街道300号南光国际光明科技园4楼408单元 Hotline: 400-774-3358 Web: www.uonetest.com Tel: +86-755-25695858 Web: www.uonetest.com Fax: +86-755-25695878 E-mail: service@uonetest.com 深圳市宝安区西乡街道300号南光国际光明科技园4楼408单元 Unit 408, Building B4 China Merchants Guangming Science Park, Tourist Road 300# Guangming New District, Shenzhen			

DZ series-TPU Raw Material



Processing method: Injection molding

Advantages:

★ High fluidity, Good rebound, Good wear resistance, High transparency, Excellent toughness

Application:

★ phone cases, plugs, shoe accessories, leather, casters, zipper heads, watch straps, ear tags, clothing accessories



DZ series-TPU Raw Material



Processing method: Injection molding

Content	Hardness	Transparency	Melt Index	Tensile Strength	Tear strength	Breaking elongation	100%Modulus
Test Method	ISO R 868	ASTM D-792	ISO 1133	ASTM D-412	ASTM D-624	ASTM D-412	ASTM D-412
Test units	ShoreA/D	mm	g/10min	kg/cm	kN/m	%	kg/cm ²
DZ-65A	65±2A	2.0-2.5	15.2	351.7	95.2	567.5	55.1
DZ-70A	70±2A	2.0-2.5	15.5	342.7	98.2	525	55.4
DZ-75A	75±2A	2.0-2.5	15.8	331	102.1	512.3	57.6
DZ-80A	80±2A	2.0-2.5	17.5	351.2	115.7	521.7	65.5
DZ-85A	85±2A	2.0-2.5	18.9	330.5	123.1	498	67.1
EP-85A	85±2A	2.0-2.5	19.1	331	124.1	485	69.2
EP-90A	90±2A	2.0-2.5	21.8	418.9	152.7	593.5	123.5
EP-95A	95±2A	2.0-2.5	22.3	435.7	158.1	515.2	125.7
EP-98A	98±2A	2.0-2.5	22.1	451.7	191.8	451	150.2
EP-64D	64D±2D	2.0-2.5	21.8	481.7	232.5	325	174.5
EP-72D	72D±2D	2.0-2.5	21.7	492.7	242.6	315	180.9

DZ series-TPU Raw Material



Processing method: Injection molding

Content	Hardness	Transparency	Density	Melt Index	Tensile Strength	Tear strength	Breaking elongation	100%Modulus
Test Method	ISO R 868	ASTM D-792	ASTM D-792	ISO 1133	ASTM D-412	ASTM D-624	ASTM D-412	ASTM D-412
Test units	ShoreA/D	mm	g/cm3	g/10min	kg/cm	kN/m	%	kg/cm ²
DZ-745A	45±2A	2.0-2.5	0.985	22.7/2.16kg	185.2	51.2	>1000	36.2
DZ-750A	50±2A	2.0-2.5	1.005	23.2/2.16kg	200.3	65.3	>1000	35.1
DZ-755A	55±2A	2.0-2.5	1.01	22.2/2.16kg	201.2	66.2	>1000	35.5
DZ-760A	60±2A	2.0-2.5	1.015	21.3/2.16kg	208.3	68.3	985	33.2
DZ-765A	65±2A	2.0-2.5	1.024	20.2/2.16kg	210.9	72.3	956	31.9

DH series-High Transparent TPU



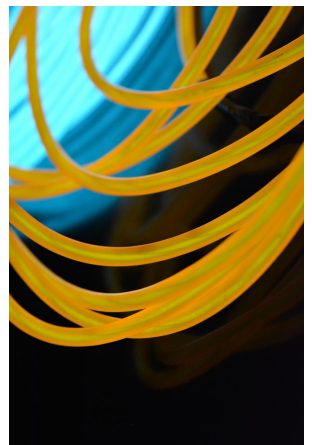
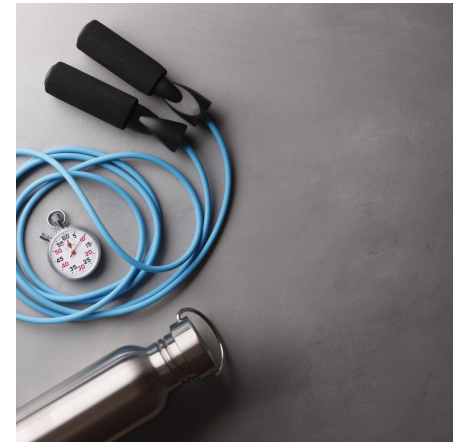
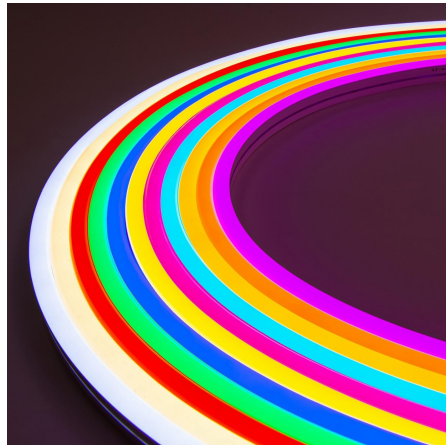
Processing method: Injection molding, Extrusion molding

Advantages:

★ Transparency of about 5-6mm, Fast forming, Good rebound, Excellent toughness

Application:

★ light guide strips, pet toys, high transparency belts, extruded pipes, jump ropes, wires and other products which require high transparency, etc.



DH series-High Transparent TPU



Processing method: Injection molding, Extrusion molding

Content	Hardness	Transparency	Density	Melt Index	Tensile Strength	Tear strength	Breaking elongation	100%Modulus
Test Method	ISO R 868	ASTM D-792	ASTM D-792	ISO 1133	ASTM D-412	ASTM D-624	ASTM D-412	ASTM D-412
Test units	ShoreA/D	mm	g/cm ³	g/10min	kg/cm	kN/m	%	kg/cm ²
DH-85A	85±2A	5.0-6.0	1.205	20.5	463	98	540	63
DH-90A	90±2A	5.0-6.0	1.205	21.2	449	118	444	95
DH-95A	95±2A	5.0-6.0	1.215	23.5	473	155	471	123
DH-98A	98±2A	5.0-6.0	1.215	22.3	439	174	447	172
DH-64D	64±2D	5.0-6.0	1.217	24.3	456	253	406	281
DH-71D	71±2D	5.0-6.0	1.235	21.2	487	278	385	285

DU series-Anti-UV TPU



Processing method: Injection molding, Extrusion molding

Advantages:

UV resistance property: long-term, stable UV resistance property, $E_{\Delta} < 1$ (0.35W/m², 340nm, 4H/60 & 4H/50 °C °C, 48h/168h) after 48h/168h radiation.

Application:

HFFR wire & cable with stable, long-term UV resistance property



DU series-Anti-UV TPU



Processing method: Injection molding, Extrusion molding

Content	Hardness	Melt Index	Tensile Strength	Tear strength	Breaking elongation	100%Modulus	Anti UV level
Test Method	ISO R 868	ISO 1133	ASTM D-412	ASTM D-624	ASTM D-412	ASTM D-412	ASTM G154
Test units	ShoreA/D	g/10min	kg/cm3	kg/cm	%	kg/cm ²	-
DU-75A	75 $\pm$ 2A	20.5	200	68	782	39	4
DU-80A	80 $\pm$ 2A	19.1	409	106	589	59	4
DU-85A	85 $\pm$ 2A	21.8	390	97	554	61	4
DU-90A	90 $\pm$ 2A	22.3	417	135	668	93	4
DU-95A	95 $\pm$ 2A	22.1	466	151	499	129	4

DV series-Flame-retardant TPU



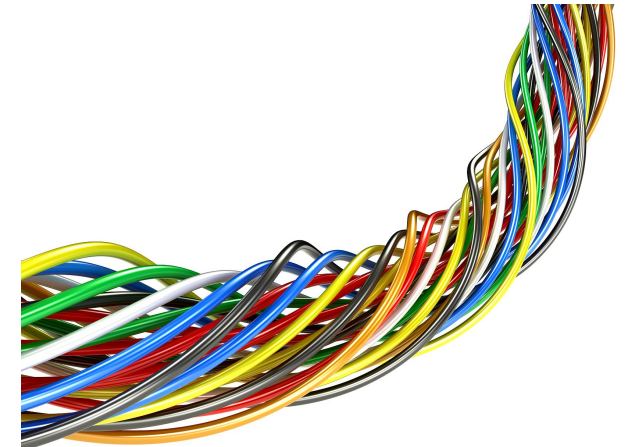
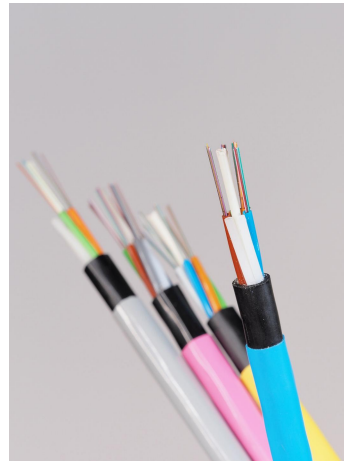
Processing method: Injection molding, Extrusion molding

Advantages:

🌟 UV resistance property: long-term, stable UV resistance property, $E_{\Delta} < 1$ (0.35W/m², 340nm, 4H/60 & 4H/50 °C °C, 48h/168h) after 48h/168h radiation.

Application:

🌟 **HFFR** wire & cable with stable, long-term UV resistance property



DV series-Flame-retardant TPU



Processing method: Injection molding, Extrusion molding

Content	Hardness	Density	Melt Index	Abrasion	Tear strength	Tensile Strength	Breaking Elongation	100%Modulus	Flame Retardant Grade
Test Method	ISO R 868	ASTM D-792	ISO 1133	DIN 53516	ASTM D-624	ASTM D-412	ASTM D-412	ASTM D-412	UL-94(1.6mm)
Test units	ShoreA/D	g/cm3	g/10min	mm3	kN/m	kg/cm3	%	kg/cm ²	-
DV-85A	85±2A	1.195	19.8/2.16KG	45.8	148.2	425	485	115	V0
DV-60D	60±2D	1.193	25.7/2.16KG	39.58	163.86	218.85	337.1	135.8	V0
DV-73D	73±1D	1.387	11.5/230°C/2.16KG	34.5		655	75.8	57.6	V0

GF series-Fiber TPU



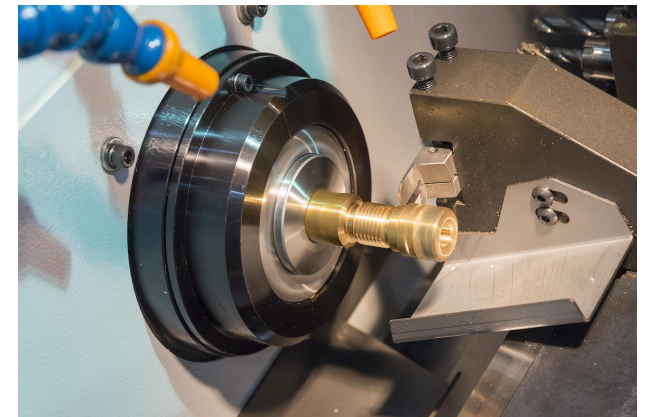
Processing method: Injection molding

Advantages:

☆ Super good hardness and abrasion, quick molding,

Application:

☆ Caster, wheel. electronic accessories,



GF series-Fiber TPU



Processing method: Injection molding

Content	Hardness	Density	Melt Index	Abrasion	Impact strength	Tensile Strength	Breaking Elongation	Flexural modulus
Test Method	ISO R 868	ASTM D-792	ISO 1133	DIN 53516	GB/T1843	ASTM D-412	ASTM D-412	ASTM D-412
Test units	ShoreA/D	mm	g/10min	mm3	KJ/M2	kg/cm3	%	mpa
GF-71D10	75±1D	1.387	11.5/230°C/2.16KG	33.5	13.5	625	89.5	1275
GF-71D15	73±2D	1.387	11.5/230°C/2.16KG	34.5	14.5	655	75.8	1895.9
GF-71D20	76±1D	1.387	11.5/230°C/2.16KG	34.5	14.5	655	75.8	1895.9
GF-64D30	72±1D	1.326	11.5/230°C/2.16KG	34.5	16.8	458	65.1	1006
GF-71D40	85±1D	1.525	5.3/230°C/2.16KG	28.7	72.3	730	18.5	2761.1
GF-71D50	88±2D	1.685	4.8/230°C/2.16KG	26.5	21.2	858.5	21.5	2968.2

DCD series-Conductive TPU



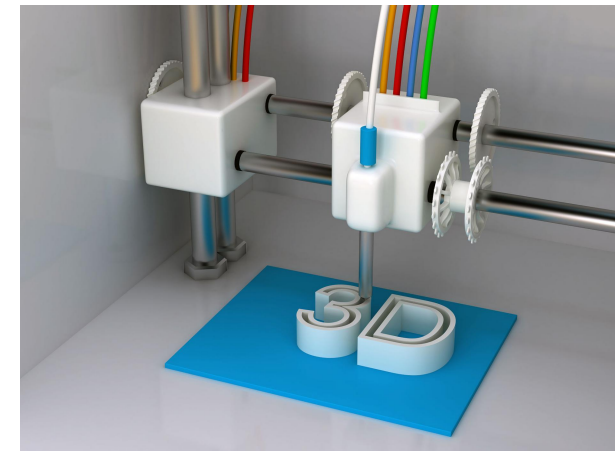
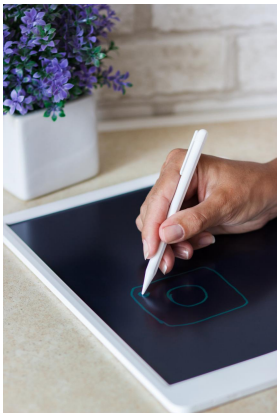
Processing method: Injection molding

Advantages:

★ Good conductive function, chemical resistance, good abrasion, good toughness with flexibility.

Application:

★ Electronic accessories, smart wearing, wearable monitor, machine, sensor, flexible heating sheet/fabric. etc



DCD series-Conductive TPU



Processing method: Injection molding

Content	Hardness	Density	Melt Index	Abrasion	Tear strength	Tensile Strength	Breaking Elongation	Surface Resistivity
Test Method	ISO R 868	ASTM D-792	ISO 1133	DIN 53516	ASTM D-624	ASTM D-412	ASTM D-412	Gm/T15662-95
Test units	ShoreA/D	mm	g/10min	mm ³	kN/m	kg/cm ³	%	Ω
DAS-90A	91±2A	1.29	11.2/2.16KG	58.3	72.3	315.5	72.5	10 ³⁻⁵
DAS-64D	65±2D	1.31	13.1/2.16KG	38.5	193.2	458	58.2	10 ³⁻⁵

DAS series-Anti Static TPU



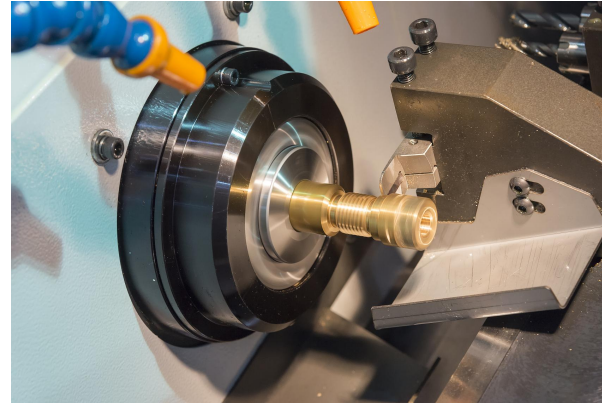
Processing method: Injection molding, Extrusion molding

Advantages:

🌟 Stable, long-term anti-static property,

Application:

🌟 Caster, wheel. wire, cables, electronic accessories, equipment covers and gaskets, suction cup, pallets, mats, medical catheters, etc



DAS series-Anti Static TPU



Processing method: Injection molding, Extrusion molding

Content	Hardness	Density	Melt Index	Abrasion	Tear strength	Tensile Strength	Breaking Elongation	100%Modulus	Surface Resistivity
Test Method	ISO R 868	ASTM D-792	ISO 1133	DIN 53516	ASTM D-624	ASTM D-412	ASTM D-412	ASTM D-412	-
Test units	ShoreA/D	mm	g/10min	mm ³	kN/m	kg/cm ³	%	kg/cm ²	Ω
DCD-60D-1	60±2D	1.159	20.8/2.16KG	23.96	190.9	206.58	260	158.29	10 ⁹
DCD-60D-2	60±2D	1.159	20.8/2.16KG	23.96	190.9	206.58	260	158.29	10 ⁹

DHMA series-Hotmelt TPU



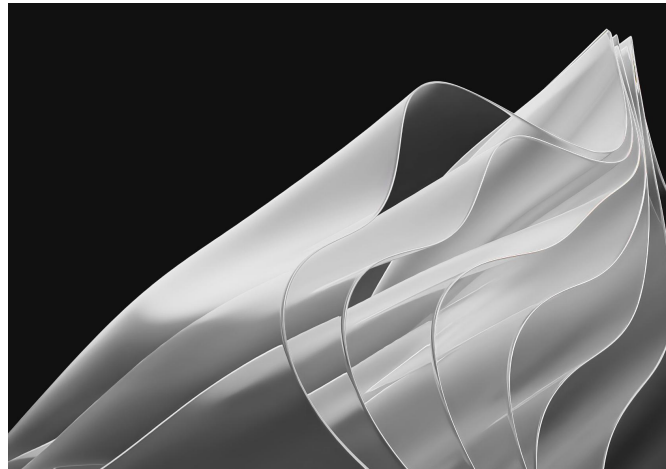
Processing method: Solvent processing, Injection molding, Extrusion molding, Calender

Advantages:

🌟 Excellent physical properties, good initial strength & solvent solubility, fast crystallization, low temperature lamination

Application:

🌟 Low temperature chemical sheet, fire hose co-extrusion, hotmelt adhesive film, fabrics lamination etc



DHMA series-Hotmelt TPU



Processing method: Solvent processing, Injection molding, Extrusion molding, Calender

Content	Hardness	100%Modulus	300%Modulus	Ring and Ball Softening Point	Tear strength	Tensile Strength	Breaking Elongation
Test Method	ISO R 868	ASTM D-412	ASTM D-412	ASTM D3461	ASTM D-624	ASTM D-412	ASTM D-412
Test units	ShoreA/D	mpa	mpa	°C	N/mm	Mpa	%
DHMA-98A-1	98A	8	10	81	131	21	760
DHMA-98A-2	98A	8	13	75	135	22	735
DHMA-98A-3	98A	8	11	88	148	27	750
DHMA-98A-4	98A	8	11	79	150	25	760
DHMA-98A-5	98A	8	12	87	153	27	760

DM series-Polyether TPU



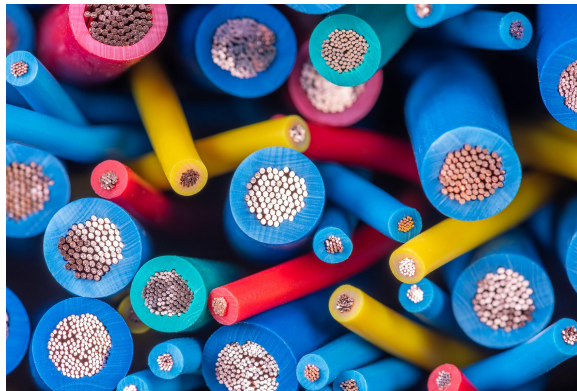
Processing method: Solvent processing, Injection molding, Extrusion molding, Calender

Advantages:

✪ Exceller hydrolytic resistance, low and high temperature resistance, perfect for outdoor use products

Application:

✪ Wire, Cable, Plug, Caster, Wheels, Tube& Hose, Fabric coating, Sports products, Car accessories, etc



DM series-Polyether TPU



Processing method: Solvent processing, Injection molding, Extrusion molding, Calender

Content	Hardness	Density	Melt Index	Abrasion	Tear strength	Tensile Strength	Breaking Elongation	100%Modulus
Test Method	ISO R 868	ASTM D-792	ISO 1133	DIN 53516	ASTM D-624	ASTM D-412	ASTM D-412	ASTM D-412
Test units	ShoreA/D	mm	g/10min	mm3	kN/m	kg/cm3	%	kg/cm ²
DM-70A	71±1A	1.121	18.2/2.16KG	82.6	81.2	305	558	71.5
DM-75A	75±2A	1.121	18.5/2.16KG	78.6	83.5	308	521	72.5
DM-85A	86±1A	1.121	20.2/2.16KG	78.6	85.8	315	565	73.5
DM-90A	91±1A	1.121	21.8/2.16KG	68.6	91.2	365.5	515	95.2
DM-60DA	61±1D	1.18	22.7/2.16KG	121	181.2	385.2	415	135.5

DG series-GRS Recycled material



Processing method: Injection molding

Advantages:

★ Good price with low cost, fast molding,

Application:

★ Phone/Pad protective cases, shoe material, suction cups, leather, casters, etc



DG series-GRS Recycled material



Processing method: Injection molding

Content	Hardness	Density	Melt Index	Tear strength	Tensile Strength	Breaking Elongation	100%Modulus
Test Method	ISO R 868	ASTM D-792	ISO 1133	ASTM D-624	ASTM D-412	ASTM D-412	ASTM D-412
Test units	ShoreA/D	mm	g/10min	kN/m	kg/cm3	%	kg/cm ²
GR-B85A	85±88A	1.205	18.7/2.16	198.6	98.5	387	77
GR-B90A	90±88A	1.21	21.6/2.16kg	245.3	116.5	415	81
GR-B95A	95±96A	1.235	23.1/2.16kg	250.2	134.5	401	80
GR-B98A	96±99A	1.235	23.5/2.16kg	278.6	145	383	97
GR-T90A	90±93A	1.233	23.5/2.16kg	285.7	139.4	445.8	118.5
GR-T95A	94±96AA	1.225	22.7/2.16kg	305.2	141.5	385.7	125.3

DCM series-Color Matching TPU



Processing method: Injection molding, Extrusion molding, Calender

Advantages:

★ Match color according to customized needs.

Application:

★ All productions that made by TPU



Brand Plastic Pellets



PP

PA

POM

PC

ABS

PPS

HDPE

LDPE



Dingzhi Polymer provided varied raw materials to meet customized needs. international brand and China local brand.



Thank you!

Factory Address:

Room 101, Building 1, No. 675 Taiping Wei Street, Jici Gang, Huangjiang Town, Dongguan City, Guangdong Province, China

Tel: +86-769-82304560 , +86-769-82304058

Website: <http://www.experttpu.com>