

Dawnprene TPE 7504-PB

TPE

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Features:

It is a clear, thermoplastic elastomer (TPE) material. This material combines good physical properties, chemical resistance and elasticity, designed for injection applications. This grade of TPE can be processed on conventional thermoplastics equipment for injection. It is completely recyclable.

(GENERAL)			
(Application)	general injection		
RoHS Compliance	RoHS		
(Color)	Clear		
(Form)	Pellet		
(Processing Method)	injection		
(Revision Date)	2017-08-11		
Physical	Typical Value	Unit	Test Method
(Density)	0.89	g/cm ³	ASTM D792
(Hardness)			
Shore Hardness(Shore A, 10 sec, 23 °C)	73	A	ASTM D2240
- 23	14.0	MPa	ASTM D412
Tensile strength-parallel flow direction 23			
- 23	750	%	ASTM D412
Elongation at break-parallel flow direction 23			
100% - 23	2.8	Mpa	ASTM D412
100% Steching strength-parallel flow direction 23			
300% - 23	4.0	Mpa	ASTM D412
300% Steching strength-parallel flow direction 23			
- 23	53	KN/m	ASTM D624
Tear strength-vertical flow direction 23			
0.01%			
Drying Instructions: Need drying the granules before make molding, excessive moisture will lead materials bad extrusion surface, mechanical performance reduction and bad surface appearance. Moisture content request below 0.01%, suggesting drying as follow process:			
Drying conditions	Dring temperature/	Dring time/h	
first choice	80 90	2 3	
other choice	100	1	
110	105		
If drying temperature over than 110 °C, it might cause materials blocking in barrel zone; if use moisture analysis meter, the temperature setting should be on 105 °C.			

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40-150	160-170	170-190	180-210	180-210	180-190	170-180	50-70

1. Dawnprene TPE PVC

Dawnprene TPE is incompatible with PVC materials, hence must clean the equipment before using.

2. 120 × 100 × 2 , .

Above testing data is tested by injection sample block, cutting by the sheet size is 110 × 85 × 2 .

3. .

The properties is typical performance, is not regarding as technical index or agreement.

4.

Any reprocessing must follow the above instructions, and ensure no content impurity.

5.

Above instructions for reference only, different equipment might have difference parameters, please adjust accordingly with different mold and product sh11(h)-30199B/F4TETQMC /P MCID 97/MCID 95/Lang (en-B)DC q52.44 57892(a)3CID 95/Lang (en-B)DC q