

Dawnprene TPE 5511-PB

TPE

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

(GENERAL)			
(Application)	extrusion item		
RoHS Compliance	RoHS		
(Color)	black		
(Form)	Pellet		
(Processing Method)	(extrusion)		
(Revision Date)	2023-05-29		
Physical	Typical Value	Unit	Test Method
(Density)	1.05	g/cm ³	ASTM D792
(Hardness)			
Shore Hardness(10 sec,2	52	A	ASTM D2240
100% - 2	1.3	Mpa	ASTM D412
- 2 Tensile strength- flow direction 2	8.8	Mpa	ASTM D412
- 2 2	700	%	ASTM D412
- 2	35	KN/m	ASTM D624
0.1%			
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 0.1%, suggesting drying as follow process:			
Drying conditions	Drying temperature/	Drying time/h	
first choice	80 90	2 3	
other choice	100	1	
110	105		
If drying temperature over than 110 ,it might cause materials blocking in barrel zone;if use moisture analysis meter,the temperture setting should be on 105 .			

