

Dawnprene TPE 4014-PB

TPE

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Features:

It is a transparent 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)		
RoHS Compliance	RoHS		
(Color)	transparent		
(Form)	Pellet		
(Processing Method)	extrusion		
(Revision Date)	2023-05-06		
Physical	Typical Value	Unit	Test Method
(Density)	0.91	g/cm ³	ASTM D792
(Hardness)			
Shore Hardness(Shore A, 10 sec,23)	38	A	ASTM D2240
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Tensile strength vertical	6.5	MPa	ASTM D412
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Elongation at break- vertical	830	%	ASTM D412
100% -			
100% Steching strength- vertical	0.6	Mpa	ASTM D412
300% -			
300% Steching strength- vertical	1.5	Mpa	ASTM D412
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Tear strength-	32	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	70 80	2 3	
other choice	90	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 .			

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