

Dawnprene TPV 11-90AP

TPV

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Features:

A soft, black thermoplastic vulcanizate (TPV) in the thermoplastic elastomer (TPE) family. This material combines good physical properties, chemical resistance and elasticity, designed for extrusion, injection and blow molding applications. This grade of TPV can be processed on conventional thermoplastics equipment for injection. It is polyolefin based and completely recyclable.

FEATURES			
Application	extrusion		injection
RoHS	RoHS Compliance		RoHS
Color	Black		
Form	Pellet		
Molding method	extrusion	injection	
Revise date	2019-2-27		
Physical Properties			
	Typical Value	Unit	Test Standard
Density	0.959	g/cm ³	ASTM D792
Hardness			
(Shore A, 10 sec, 2	92	A	ASTM D2240
Mechanical Property			
100% - 2	6.69	Mpa	ASTM D412
- 2	16.3	Mpa	ASTM D412
- 2	650	%	ASTM D412
- 2	66.2	KN/m	ASTM D624
	65.9	%	ASTM D395
	49.5	%	ASTM D395
Thermal properties			
Brittle Temperature	-60		ASTM D746
Flammability			
Burning Rate	35	mm/min	GB/T8410
Aging properties			
(150	-10.5	%	ASTM D412
150			
(150	-14.2	%	

(150			
(150	-0.5	A	
(150			
200PPHM 40	No cracking		ASTM D7762
200PPHM 40			
Molding Method			
<p>0.05%</p> <p>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 0.05%,suggesting drying as follow process:</p>			
Drying conditions	Drying temperature/	Drying time/h	
first choice	80 90	2 3	
other choice	100	1	
110	(105	
<p>If drying temperature over than 110 , it might cause materials blocking in barrel zone; if use moisture analysis meter, the temperature setting should be on 105 .</p>			

R							
4	16 170	180-					

