

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	150	-10.5	%	ASTM D412
	(150		-14.2	%	

(150)			
(150)	-0.5	A	
(150)			
200PPHM 40	No cracking		ASTM D7762
200PPHM 40			
Molding Method			
0.05%			
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:			
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 temperature setting should be on 105 .			

R							
4	16 170	180-					

