

# Dawnprene TPV 11-40D

TPV

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Features:

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

RoHS	RoHS		
	2019-2-28		
	0.952	g/cm <sup>3</sup>	ASTM D792
70			
(Shore D,5 sec,2	43	D	ASTM D2240
100% - 2	10	Mpa	ASTM D412
- 2	20	Mpa	ASTM D412
- 2	660	%	ASTM D412
- 2	88	KN/m	ASTM D624
			ASTM D395
23	55	%	
70	65	%	
	-58		ASTM D746
(2	2.65		ASTM D150
	35	mm/min	GB/T8410
(90	-5	%	ASTM D573
(90	-7	%	
(90	-2	D	
(90	-0.5	%	
200PPHM 40			ASTM D7762
0.07%			

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 0.07%, 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	180-185	190-200	190-200	180-195	170-185	50-70

1.Dawnprene TPV PVC

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

2. 120 100 2 , .

Above testing data is tested by injected sample block, cutting by the sheet size is 120 100 2 .

3. 25%

Compression Set 25%

4.

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

5.

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

6.

Above instructions for reference only, different equipment might have difference parameters, please adjust accordingly with different mold and product shape.

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