PrimoPrene 75A-1000

Thermoplastic Vulcanizate

KMI Group Inc.

Message:

Attributes:
PrimoPrene TPV is a thermoplastic elastomer containing fully vulcanized EPDM rubber and polypropylene
It is designed for applications requiring long term sealing performance even at elevated temperatures up to 135°C (275F).
Soft-touch feel for grips and handles used in automotive andconsumer goods.
Can be processed using conventional thermoplastic processing equipment.
There is no need for costly and energy guzzlind down stream equipment for curing.
Suitable for injection molding, blow molding, profile and sheet extrusion applications.
Applications:
PrimoPrene is a cost effective solution for replacing Santoprene rubber, styrenic-based TPEs, and thermoset rubbers such as EPDM, and Polychloroprene. It is an excellent choice for applications requiring flexibility in the following markets: automotive parts, appliance, business machines, construction, consumer products, and electronics.

General Information	
Filler / Reinforcement	Polypropylene
Additive	Rubber 2
Features	Good Colorability Good Flexibility Good Heat Seal Good UV Resistance Soft
Uses	Appliances Automotive Applications Business Equipment Construction Applications Consumer Applications Electrical/Electronic Applications Flexible Grips Handles
Processing Method	Blow Molding Extrusion Injection Molding Profile Extrusion Sheet Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.970	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) [1] (230°C/10.0 kg)	8.0 to 15	g/10 min	ASTM D1238

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A, 5 sec	80		
Shore A, 15 sec	75		
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress [2] (100% Strain, 23°C)	4.70	MPa	ASTM D412
Tensile Strength [3] (Yield, 23°C)	12.5	MPa	ASTM D412
Tensile Elongation [4] (Break, 23°C)	630	%	ASTM D412
Tear Strength [5] (23°C)	54.0	kN/m	ASTM D624
Compression Set			ASTM D395
70°C, 22 hr	25	%	
125°C, 70 hr	49	%	
Thermal	**Nominal Value**	**Unit**	**Test Method**
Brittleness Temperature	-65.0	°C	ASTM D746
Melting Temperature	159	°C	
Additional Information	**Nominal Value**		**Test Method**
Ozone Resistance [6]	Excellent		ASTM D1149
Injection	**Nominal Value**	**Unit**	
Drying Temperature	82.2	°C	
Drying Time	3.0	hr	
Extrusion	**Nominal Value**	**Unit**	
Drying Temperature	65.6	°C	
Drying Time	3.0	hr	
NOTE			
1.	Procedure A		
2.	500 mm/min		
3.	500 mm/min		
4.	500 mm/min		
5.	Die C, 500 mm/min		
6.	500 hr, 100 pphm O3 conc.		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China


WECHAT