

Sarlink® TPV 2645

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink® TPV 2645 is a thermoplastic vulcanized rubber (TPV) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is extrusion or injection molding.

Typical application areas include:

engineering/industrial accessories

building applications

Hose

application of coating

General Information			
Uses	Plug		
	Washer		
	Washer		
	Pipe fittings		
	Shock Absorbing Pad		
	Weather-resistant sealing strip		
	Expansion Joint		
	Assembled glass		
Appearance	Opacity		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.910	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (235°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	51		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	1.72	MPa	ASTM D412
Tensile Strength ¹ (Break, 23°C)	3.45	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Tear Strength	14.2	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	15	%	ASTM D395
70°C, 22 hr	32	%	ASTM D395
Thermal	Nominal Value	Unit	Test Method

Brittleness Temperature ²	> -60.0	°C	ASTM D746
Injection	Nominal Value	Unit	
Rear Temperature	173 - 213	°C	
Middle Temperature	179 - 219	°C	
Front Temperature	184 - 224	°C	
Nozzle Temperature	190 - 230	°C	
Processing (Melt) Temp	190 - 230	°C	
Mold Temperature	35.0 - 60.0	°C	
Injection Pressure	1.38 - 6.89	MPa	
Injection Rate	Fast		
Back Pressure	0.172 - 0.862	MPa	
Screw Speed	50 - 120	rpm	
Cushion	3.81 - 25.4	mm	
Extrusion	Nominal Value	Unit	
Cylinder Zone 1 Temp.	166 - 204	°C	
Cylinder Zone 2 Temp.	171 - 210	°C	
Cylinder Zone 3 Temp.	177 - 216	°C	
Cylinder Zone 5 Temp.	182 - 221	°C	
Die Temperature	190 - 227	°C	
Extrusion instructions			
Screw Speed: 30 to 100 rpm			
NOTE			
1.	510 mm/min		
2.	No Break @ -76°F.		

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