

Sarlink® TPV 24445N

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink TPV 24445N is a high performance thermoplastic vulcanizate used in a variety of consumer and industrial applications. Sarlink TPV 24445N is a medium hardness, low density, UV stabilized grade suitable for injection molding.

General Information			
Features	Low Specific Gravity		
	Sunlight Resistant		
	Low density		
	smoothness		
	Light stabilization		
	Low liquidity		
	Lubrication		
	Medium hardness		
	UV absorption		
Uses	Plug		
	Washer		
	Washer		
	Pipe fittings		
	Shock Absorbing Pad		
	Consumer goods application field		
	Assembled glass		
RoHS Compliance	RoHS compliance		
Appearance	Opacity		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.928	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	45		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2.96	MPa	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Legal statement			

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Injection	Nominal Value	Unit
Rear Temperature	127 - 149	°C
Middle Temperature	138 - 160	°C
Front Temperature	149 - 171	°C
Nozzle Temperature	171 - 193	°C
Processing (Melt) Temp	171 - 193	°C
Mold Temperature	21 - 38	°C
Injection Pressure	1.38 - 5.52	MPa
Back Pressure	0.172 - 0.689	MPa
Screw Speed	50 - 100	rpm
Cushion	3.81 - 25.4	mm

Injection instructions

Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

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