



Sarlink® TPV 24545

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 24545 is a high performance thermoplastic vulcanizate used in a variety of consumer and industrial applications. Sarlink TPV 24545 is a medium hardness, low density, UV stabilized grade suitable for injection molding.

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Lap Sealable to PE • Light Stabilized • Low Density	• Low Flow • Low Specific Gravity • Lubricated	• Medium Hardness • UV Stabilized
Uses	• Expansion Joint • Gaskets • Glazing	• Grommets • Plugs • Shock Absorbing Pads	• Weatherstripping
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.920		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.5	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)	220	psi	ASTM D412
Tensile Strength (Break)	525	psi	ASTM D412
Tensile Elongation (Break)	300	%	ASTM D412
Tear Strength	83.0	lbf/in	ASTM D624
Compression Set			ASTM D395
73°F, 22 hr	16	%	
212°F, 22 hr	32	%	
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore A	50		
Shore A, 5 sec	45		
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-76.0	°F	ASTM D746

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Injection	Nominal Value	Unit
Rear Temperature	344 to 416	°F
Middle Temperature	354 to 426	°F
Front Temperature	364 to 436	°F
Nozzle Temperature	374 to 446	°F
Processing (Melt) Temp	374 to 446	°F
Mold Temperature	95 to 140	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Fast	
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	rpm
Cushion	0.150 to 1.00	in

Notes

¹ Typical properties: these are not to be construed as specifications.