



Sarlink® TPV 24835

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 24835 is a high performance thermoplastic vulcanizate used in a variety of consumer and industrial applications. Sarlink TPV 24835 is a low 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	• Light Stabilized • Low Density • Low Flow	• Low Hardness • Low Specific Gravity • Lubricated	• UV Stabilized
Uses	• Expansion Joint • Gaskets • Glazing	• Grommets • Plugs • Shock Absorbing Pads	• Tubing • 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	• •	0.910 0.910		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)		1.0	g/10 min	ASTM D1238
Elastomers		Nominal Value	Unit	Test Method
Tensile Stress (100% Strain)		120	psi	ASTM D412
Tensile Strength (Break)		425	psi	ASTM D412
Tensile Elongation (Break)		400	%	ASTM D412
Tear Strength		58.2	lbf/in	ASTM D624
Compression Set				
73°F, 22 hr		13	%	ASTM D395B
158°F, 22 hr		24	%	ASTM D395A
212°F, 22 hr		44	%	ASTM D395B
Hardness		Nominal Value	Unit	Test Method
Durometer Hardness (Shore A, 5 sec)	• •	35 35		ASTM D2240
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.