

Sarlink® TPV 24545

Teknor Apex Company - Thermoplastic Vulcanizate

Thursday, June 29, 2017

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

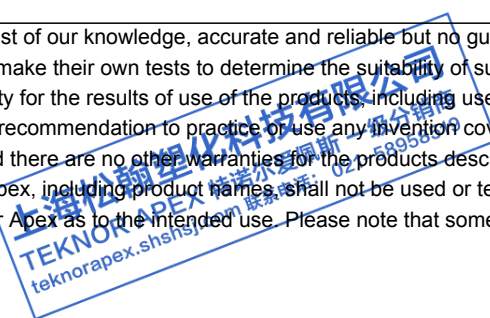
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Lap Sealable to PE • Light Stabilized • Low Density	• Low Flow • Low Specific Gravity • Lubricated	• Medium Hardness • UV Stabilized
Uses	• Expansion Joint • Gaskets • 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
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

Legal Statement

The information and recommendations contained in this bulletin are, to the best of our knowledge, accurate and reliable but no guarantee of their accuracy is made. All products are sold upon condition that purchasers shall make their own tests to determine the suitability of such products for their particular purposes and uses and purchaser assumes all risks and liability for the results of use of the products, including use in accordance with seller's recommendations. Nothing in this bulletin constitutes permission or a recommendation to practice or use any invention covered by any patent owned by this company or others. There is no warranty of merchantability and there are no other warranties for the products described. For detailed Product Stewardship information, please contact us. Any product of Teknor Apex, including product names, shall not be used or tested in medical or food contact applications without the prior written acknowledgement of Teknor Apex as to the intended use. Please note that some products may not be available in one or more countries.



Revision Date: 4/13/2017

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Processing Information

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.

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