

Sarlink® TPV 24550D (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Vulcanizate

Friday, June 30, 2017

General Information

Product Description

Sarlink TPV 24550D is a high performance thermoplastic vulcanizate used in a variety of consumer and industrial applications. Sarlink TPV 24550D, available in NAT and BLK, is a high hardness, low density, UV stabilized grade designed for injection molding and extrusion.

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• General Purpose • High Hardness • Low Density	• Low Flow • Low Specific Gravity • Slip	• UV Resistant
Uses	• Gaskets • General Purpose • Glazing	• Grommets • Plugs • Shock Absorbing Pads	• Tubing
RoHS Compliance	• RoHS Compliant		
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties ¹

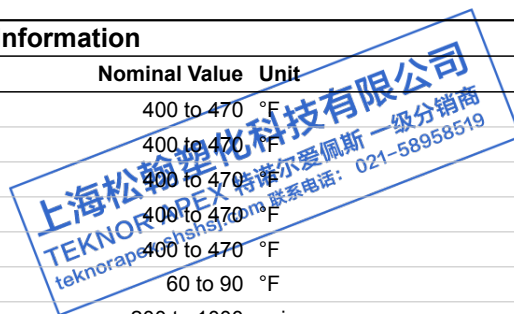
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.932		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.5	g/10 min	ASTM D1238
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Break)	2500	psi	ASTM D412
Tensile Elongation (Break)	400	%	ASTM D412
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shore D, 1 sec, Injection Molded	52		
Shore D, 5 sec, Injection Molded	50		

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.

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	400 to 470	°F
Middle Temperature	400 to 470	°F
Front Temperature	400 to 470	°F
Nozzle Temperature	400 to 470	°F
Processing (Melt) Temp	400 to 470	°F
Mold Temperature	60 to 90	°F
Injection Pressure	200 to 1000	psi
Injection Rate	Fast	



Revision Date: 6/1/2016

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Injection	Nominal Value	Unit
Back Pressure	25.0 to 125	psi
Screw Speed	50 to 120	rpm
Cushion	0.150 to 1.00	in

Injection Notes

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

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	380 to 450	°F
Cylinder Zone 2 Temp.	380 to 450	°F
Cylinder Zone 3 Temp.	380 to 450	°F
Cylinder Zone 4 Temp.	380 to 450	°F
Cylinder Zone 5 Temp.	380 to 450	°F
Die Temperature	380 to 450	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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

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