+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPV 24550D (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Vulcanizate

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
Agency Ratings	• UL 94		
RoHS Compliance	• RoHS Compliant		
UL File Number	• QMFZ2.E54709		
Appearance	• Black	• Natural Color	
Forms	• Pellets		
Processing Method	• Extrusion	• Injection Molding	

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / 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		

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

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Injection	Nominal Value	Unit
Mold Temperature	60 to 90	°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

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.