+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPV 2940DN-1

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 2940DN-1 is a high performance thermoplastic vulcanizate used in automotive and industrial applications. Sarlink TPV 2940DN-1 is a high hardness, medium density, RoHS compliant grade suitable for extrusion processing.

General			
Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Abrasion Resistant • Good Heat Resistance • High Hardness	• High Melt Strength • High Scratch Resistance • Light Stabilized	• Low Flow • Lubricated • Medium Density
Uses	• Expansion Joint • Gaskets • Glazing	• Grommets • Plugs • Tubing	• Weatherstripping
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Forms	• Pellets		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.972		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.80	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	972	psi	ASTM D412
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Break)	1740	psi	ASTM D412
Tensile Elongation (Break)	600	%	ASTM D412
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D, 5 sec)	40		ASTM D2240
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (392°F, 206 sec^-1)	495	Pa·s	ASTM D3835

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Processing Information

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	330 to 400	°F
Cylinder Zone 2 Temp.	340 to 410	°F
Cylinder Zone 3 Temp.	350 to 420	°F
Cylinder Zone 4 Temp.	360 to 430	°F
Cylinder Zone 5 Temp.	360 to 430	°F
Die Temperature	374 to 440	°F

Extrusion Notes

Screw Speed: 30 to 100 rpm

Notes

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