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TEKNOR APEX

Sarlink® TPV 9160N (DISCONTINUED)

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink 9160N is a high performance TPV material designed for industrial applications like extruded window profiles and building and construction profiles. Sarlink 9160N is a medium, low density, multi purpose thermoplastic vulcanisate that can be processed by extrusion or injection moulding.

General			
Material Status	• Commercial: Active		
Availability	• Asia Pacific • Europe	• Latin America • North America	
Features	• Chemical Resistant • General Purpose • Good Flexibility	• Good Melt Strength • Low Specific Gravity • Medium Density	• Medium Hardness
RoHS Compliance	• RoHS Compliant		
Appearance	• Opaque		
Processing Method	• Extrusion		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.947	g/cm³	ISO 1183
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Modulus	2180	psi	DMTA
Coefficient of Friction			ASTM D1894
vs. Glass - Dynamic	1.5		
vs. Glass - Static	1.3		
vs. Metal - Dynamic [2]	1.4		
vs. Metal - Static [2]	1.3		
vs. Steel - Dynamic	1.4		
vs. Steel - Static	1.1		
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress - Across Flow (100% Strain)	290	psi	ISO 37
Tensile Stress - Across Flow (Break)	827	psi	ISO 37
Tensile Elongation - Across Flow (Break)	640	%	ISO 37
Compression Set (158°F, 22 hr)	33	%	ISO 815
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore A, 5 sec, Injection Molded)	60		ISO 868
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Apparent Shear Viscosity - Capillary [3] (392°F)	300	Pa·s	ISO 11443

Notes

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

[2] Aluminum

[3] 206 1/s