TECHNICAL DATA SHEET

Sarlink® 3139D

Teknor Apex Co.

TPV

Processing

Injection molding, Profile extrusion, Other extrusion, Blow molding

Special Characteristics

U.V. stabilized or stable to weather

Features

Fatigue resistance, Good adhesion

Chemical Resistance

General chemical resistance

Applications

Automotive

Product Text

Product Information

SARLINK TPV 3100 series are engineered materials designed primarily for general purpose, automotive and industrial applications requiring a good balance of thermal, mechanical, and physical properties. SARLINK 3139D, available in NAT and BLK, is a hard hardness, low density, multi-purpose thermoplastic vulcanizate that can be processed by injection molding, blow molding or extrusion for applications such as grips, seals, gaskets, profiles, hose & tubes, bellows, and other articles.

Property	Value	Unit	Standard
Tensile properties (Cross Flow Direction)			ISO 37
Tensile strength at break	18,5	MPa	
Modulus at 100% elongation	8,9	MPa	
Elongation at break	700	%	
Hot air aging (168h/150°C, Cross Flow Direction)			ISO 188
Change in hardness	1	points	
Change in tensile strength at break	-7	%	
Change in modulus at 100% elongation	11	%	
Change in elongation at break	-11	%	
Hot air aging (1000h/135°C, Cross Flow Direction)			ISO 188
Change in hardness	0	points	
Change in tensile strength at break	-5	%	
Change in modulus at 100% elongation	9	%	
Change in elongation at break	-10	%	

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Volume swell (70h/125°C in IRM 903 oil)	55	%	ISO 1817
Apparent shear viscosity @ 206 1/s, 200°C	310	Pa.s	ISO 11443 Capillary

Mechanical Properties	Value	Unit	Standard
Shore D hardness	41		ISO 7619-1
Stress at 100% elongation	13.3	MPa	ISO 37
Strain at break TPE	400	%	ISO 37
Stress at break TPE	17.4	MPa	ISO 37
Compression set at 23 °C, 24h	53	%	
Compression set at 70 °C, 24h	67	%	ISO 815

Other Properties	Value	Unit	Standard
Density	940	kg/m³	ISO 1183