

TECHNICAL DATA SHEET

Sarlink® 3190

Teknor Apex Co.

TPV

Processing

Injection molding, Profile extrusion, Sheet extrusion, Other extrusion, Blow molding

Special Characteristics

U.V. stabilized or stable to weather

Features

Fatigue resistance, Good adhesion, Thermal stability

Chemical Resistance

General chemical resistance

Applications

Automotive, General purpose

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 3190, 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	13,5	MPa	
Modulus at 100% elongation	6,6	MPa	
Elongation at break	700	%	
Hot air aging (168h/150°C, Cross Flow Direction)			ISO 188
Change in hardness	2	points	
Change in tensile strength at break	-5	%	
Change in modulus at 100% elongation	11	%	
Change in elongation at break	-12	%	
Hot air aging (1000h/135°C, Cross Flow Direction)			ISO 188
Change in hardness	-1	points	
Change in tensile strength at break	-10	%	
Change in modulus at 100% elongation	9	%	
Change in elongation at break	-15	%	

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Volume swell (70h/125°C in IRM 903 oil)	73	%	ISO 1817
Apparent shear viscosity @ 206 1/s, 200°C	310	Pa.s	ISO 11443 Capillary

Mechanical Properties	Value	Unit	Standard
Stress at 100% elongation	10	MPa	ISO 37
Strain at break TPE	380	%	ISO 37
Stress at break TPE	12.1	MPa	ISO 37
Compression set at 23 °C, 24h	48	%	
Compression set at 70 °C, 24h	61	%	ISO 815
Shore A hardness, 15s	92		ISO 7619-1

Other Properties	Value	Unit	Standard
Density	940	kg/m ³	ISO 1183