

## TECHNICAL DATA SHEET

# Sarlink® 4190

Teknor Apex Co.

TPV

**Processing**

Injection molding, Pipe/tube extrusion, Profile extrusion, Sheet extrusion, Other extrusion, Blow molding

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

Fatigue resistance, Good adhesion, Melt strength

**Chemical Resistance**

General chemical resistance

**Applications**

Automotive

## Product Text

**Product Information**

SARLINK TPV 4100 series are engineered materials designed primarily for demanding automotive and industrial applications. Available in both natural and black, SARLINK 4190 is a low density, higher hardness thermoplastic vulcanizates with excellent flex fatigue resistance, heat aging, improved elasticity and resilience. SARLINK 4190 can be used in injection molded parts, sheet and profile extrusions such as weather-stripping and expansion joints, and can also be blow molded into boots and ducts.

Property	Value	Unit	Standard
Tensile properties (Cross Flow Direction)			ISO 37
Tensile strength at break	14,5	MPa	
Modulus at 100% elongation	6,7	MPa	
Elongation at break	650	%	
Hot air aging (168h/150°C, Cross Flow Direction)			ISO 188
Change in hardness	3	points	
Change in tensile strength at break	-8	%	
Change in modulus at 100% elongation	10	%	
Change in elongation at break	-17	%	
Hot air aging (1000h/135°C, Cross Flow Direction)			ISO 188
Change in hardness	3	points	
Change in tensile strength at break	-11	%	
Change in modulus at 100% elongation	15	%	
Change in elongation at break	-16	%	

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Volume swell (70h/125°C in IRM 903 oil)	54	%	ISO 1817
Apparent shear viscosity @ 206 1/s, 200°C	340	Pa.s	ISO 11443 Capillary

Mechanical Properties	Value	Unit	Standard
Stress at 100% elongation	10.2	MPa	ISO 37
Strain at break TPE	380	%	ISO 37
Stress at break TPE	13.6	MPa	ISO 37
Compression set at 23 °C, 24h	36	%	
Compression set at 70 °C, 24h	48	%	ISO 815
Shore A hardness, 15s	90		ISO 7619-1

  

Other Properties	Value	Unit	Standard
Density	950	kg/m <sup>3</sup>	ISO 1183