

## TECHNICAL DATA SHEET

# Sarlink® 4775B42

Teknor Apex Co.

TPV

**Processing**

Injection molding

**Delivery Form**

Black

**Special Characteristics**

U.V. stabilized or stable to weather

**Chemical Resistance**

General chemical resistance

**Applications**

Automotive, Encapsulation

## Product Text

**Product Information**

The Sarlink TPV 4700 Series are very high flow injection molding engineering grades with excellent UV resistance, elasticity, and surface aesthetics designed for demanding automotive applications including window encapsulation and exterior parts. Sarlink TPV 4775B42 is a black, medium hardness, low density thermoplastic vulcanizate suited for injection molding applications that require superior flow properties.

Property	Value	Unit	Standard
Tensile properties (Cross Flow Direction)			ISO 37
Tensile strength at break	6,3	MPa	
Modulus at 100% elongation	3,2	MPa	
Elongation at break	470	%	
Hot air aging (168h/150°C, Cross Flow Direction)			ISO 188
Change in hardness	1	points	
Change in tensile strength at break	-19	%	
Change in modulus at 100% elongation	2	%	
Change in elongation at break	-24	%	
Hot air aging (1000h/135°C, Cross Flow Direction)			ISO 188
Change in hardness	-2	points	
Change in tensile strength at break	-18	%	
Change in modulus at 100% elongation	3	%	
Change in elongation at break	-28	%	
Volume swell (70h/125°C in IRM 903 oil)	73	%	ISO 1817

# Sarlink® 4775B42

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Apparent shear viscosity @ 206 1/s, 200°C

200

Pa.s

ISO 11443  
Capillary

Mechanical Properties	Value	Unit	Standard
Stress at 100% elongation	3.4	MPa	ISO 37
Strain at break TPE	410	%	ISO 37
Stress at break TPE	5.8	MPa	ISO 37
Compression set at 23 °C, 24h	24	%	
Compression set at 70 °C, 24h	39	%	ISO 815
Shore A hardness, 15s	76		ISO 7619-1
Other Properties	Value	Unit	Standard
Density	910	kg/m <sup>3</sup>	ISO 1183