



Sarlink® 3145D - Shore 50 D

TPV

Teknor Apex Co.

Product Texts

Property	Value	Unit	Standard
Hardness Shore (5 sec delay, Extruded sample)	47D	-	ISO 868
Hardness Shore (5 sec delay, Injection molded sample)	50D	-	ISO 868
Tensile strength at break (Cross direction)	22.5	MPa	ISO 37
Modulus at 100% elongation (Cross direction)	12.8	MPa	ISO 37
Elongation at break (Cross direction)	700	%	ISO 37
Compression set (70h/125°C)	90	%	ISO 815
Hot air aging (168h/150°C, Cross Direction)			ISO 188
Change in hardness	2	points	
Retention tensile strength at break	95	%	
Retention modulus at 100% elongation	108	%	
Retention elongation at break	89	%	
Hot air aging (1000h/135°C, Cross Direction)			ISO 188
Change in hardness	1	points	
Retention tensile strength at break	102	%	
Retention modulus at 100% elongation	116	%	
Retention elongation at break	89	%	
Volume swell (70h/125°C in IRM 903 oil)	52	%	ISO 1817
Rheology (Apparent Shear Viscosity @ 206 1/s, 200°C)	310	Pa.s	ISO 11443 Capillary

Mechanical properties

Value

Unit

Test Standard

ISO Data

Stress at 100% elongation	15.5	MPa	ISO 527-1/-2
Strain at break TPE	>300	%	ISO 527-1/-2
Stress at break TPE	19.4	MPa	ISO 527-1/-2
Compression Set under constant strain, 23°C	57	%	ISO 815
Compression Set under constant strain, 70°C	70	%	ISO 815
Tear strength	131	kN/m	ISO 34-1

Other properties

Value

Unit

Test Standard

ISO Data

Density	940	kg/m³	ISO 1183
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Characteristics

Processing

Injection Molding, Other Extrusion, Blow Molding

Chemical Resistance

General Chemical Resistance