Sarlink® 4165 - Shore 65 A

TPV

Teknor Apex Co.

Product Texts

Property	Value	Unit	Standard
Hardness Shore (5 sec delay, Extruded sample)	63A	-	ISO 868
Hardness Shore (5 sec delay, Injection molded sample)	65A	-	ISO 868
Tensile strength at break (Cross direction)	6.8	MPa	ISO 37
Modulus at 100% elongation (Cross direction)	2.5	MPa	ISO 37
Elongation at break (Cross direction)	570	%	ISO 37
Compression set (70h/125°C)	40	%	ISO 815
Hot air aging (168h/150°C, Cross Direction)			ISO 188
Change in hardness	2	points	
Retention tensile strength at break	89	%	
Retention modulus at 100% elongation	100	%	
Retention elongation at break	89	%	
Hot air aging (1000h/135°C, Cross Direction)			ISO 188
Change in hardness	2	points	
Retention tensile strength at break	91	%	
Retention modulus at 100% elongation	104	%	
Retention elongation at break	92	%	
Volume swell (70h/125°C in IRM 903 oil)	83	%	ISO 1817
Rheology (Apparent Shear Viscosity @ 206 1/s, 200°C)	340	Pa.s	ISO 11443 Capillary

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at 100% elongation	4.2	MPa	ISO 527-1/-2
Strain at break TPE	280	%	ISO 527-1/-2
Stress at break TPE	5.8	MPa	ISO 527-1/-2
Compression Set under constant strain, 23°C	17	%	ISO 815
Compression Set under constant strain, 70°C	27	%	ISO 815
Tear strength	29	kN/m	ISO 34-1

Other properties	Value	Unit	Test Standard
ISO Data			
Density	960	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding, Other Extrusion, Blow Molding

Chemical Resistance

General Chemical Resistance