Sarlink® 4755B42 - Shore 56 A

TPV

Teknor Apex Co.

Product Texts

Property	Value	Unit	Standard
Hardness Shore (5 sec delay, Extruded sample)	54A	-	ISO 868
Hardness Shore (5 sec delay, Injection molded sample)	56A	-	ISO 868
Tensile strength at break (Cross direction)	5	MPa	ISO 37
Modulus at 100% elongation (Cross direction)	1.8	MPa	ISO 37
Elongation at break (Cross direction)	500	%	ISO 37
Compression set (70h/125°C)	43	%	ISO 815
Hot air aging (168h/150°C, Cross Direction)			ISO 188
Change in hardness	-2	points	
Retention tensile strength at break	94	%	
Retention modulus at 100% elongation	99	%	
Retention elongation at break	98	%	
Hot air aging (1000h/135°C, Cross Direction)			ISO 188
Change in hardness	2	points	
Retention tensile strength at break	98	%	
Retention modulus at 100% elongation	107	%	
Retention elongation at break	96	%	
Volume swell (70h/125°C in IRM 903 oil)	90	%	ISO 1817
Rheology (Apparent Shear Viscosity @ 206 1/s, 200°C)	220	Pa.s	ISO 11443 Capillary

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Stress at 100% elongation	2.7	MPa	ISO 527-1/-2
Strain at break TPE	>300	%	ISO 527-1/-2
Stress at break TPE	4.3	MPa	ISO 527-1/-2
Compression Set under constant strain, 23°C	19	%	ISO 815
Compression Set under constant strain, 70°C	28	%	ISO 815
Tear strength	19	kN/m	ISO 34-1

Other properties	Value	Unit	Test Standard
ISO Data			
Density	910	kg/m³	ISO 1183

Characteristics

Processing
Injection Molding

Delivery form
Black

Special Characteristics
U.V. stabilized or stable to weather

Chemical Resistance
General Chemical Resistance