Sarlink® 3160 - Shore 65 A

TPV

Teknor Apex Co.

Product Texts

Property	Value	Unit	Standard
Hardness Shore (5 sec delay, Extruded sample)	62A	-	ISO 868
Hardness Shore (5 sec delay, Injection molded sample)	65A	-	ISO 868
Tensile strength at break (Cross direction)	6.3	MPa	ISO 37
Modulus at 100% elongation (Cross direction)	2.5	MPa	ISO 37
Elongation at break (Cross direction)	640	%	ISO 37
Compression set (70h/125°C)	55	%	ISO 815
Hot air aging (168h/150°C, Cross Direction)			ISO 188
Change in hardness	3	points	
Retention tensile strength at break	99	%	
Retention modulus at 100% elongation	107	%	
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	96	%	
Retention modulus at 100% elongation	103	%	
Retention elongation at break	95	%	
Volume swell (70h/125°C in IRM 903 oil)	120	%	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	3.8	MPa	ISO 527-1/-2
Strain at break TPE	270	%	ISO 527-1/-2
Stress at break TPE	5.4	MPa	ISO 527-1/-2
Compression Set under constant strain, 23°C	23	%	ISO 815
Compression Set under constant strain, 70°C	34	%	ISO 815
Tear strength	32	kN/m	ISO 34-1

Other properties	Value	Unit	Test Standard
ISO Data			
Density	950	kg/m³	ISO 1183

Characteristics

Processing

Injection Molding, Other Extrusion, Blow Molding

Chemical Resistance

General Chemical Resistance