

Sarlink® TPV X10035B

Thermoplastic Vulcanizate

Teknor Apex Company

Message:

Sarlink 10000 Series are designed for low friction molding applications, requiring a low coefficient of friction against glass or painted steel.

General Information			
Features	Good Chemical Resistance		
	Good UV Resistance		
	High Heat Resistance		
	Low Compression Set		
Uses	Automotive Exterior Parts		
Appearance	Black		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.897	g/cm³	ISO 1183
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A, 5 sec, Injection Molded)	36		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Coefficient of Friction	0.80 to 0.90		ASTM D1894
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress - Across Flow (100% Strain)	0.800	MPa	ISO 37
Tensile Strength - Across Flow (Break)	2.70	MPa	ISO 37
Tensile Elongation - Across Flow (Break)	400	%	ISO 37
Tear Strength ¹	11	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	18	%	ISO 815
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	141	Pa · s	ISO 11443
Injection	Nominal Value	Unit	
Rear Temperature	180 to 205	°C	
Middle Temperature	180 to 205	°C	
Front Temperature	180 to 205	°C	
Nozzle Temperature	185 to 210	°C	
Processing (Melt) Temp	185 to 210	°C	
Mold Temperature	10.0 to 55.0	°C	
Back Pressure	0.100 to 1.00	MPa	
Screw Speed	100 to 200	rpm	

NOTE

1. Method Ba, Angle (Unnicked)

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