



Sarlink® TPV 17460B BLACK XRD1

Teknor Apex Company - Thermoplastic Vulcanizate

General Information

Product Description

Sarlink TPV 17460B BLACK XRD1 is a high performance thermoplastic vulcanizate used in automotive and industrial applications. Sarlink TPV 17460B BLACK XRD1 is a medium hardness, low density, RoHS compliant grade exhibiting superior compression set and chemical resistance. This grade can be processed by injection molding.

General

Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Flexibility • Good Moldability • Good Surface Finish	• High Elasticity • High Flow • High Heat Resistance • Low Compression Set • Low Density	• Low Specific Gravity • Lubricated • Medium Hardness • UV Resistant
Uses	• Automotive Applications • Automotive Exterior Parts	• Automotive Window Encapsulation • Rubber Replacement	
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• VAG VW501 23 Color: Black		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.914	g/cm ³	ISO 1183
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Across Flow : 100% Strain	271	psi	
Flow : 100% Strain	358	psi	
Tensile Strength			
Across Flow : Break	609	psi	ISO 37
Flow : Break	551	psi	ASTM D412
Tensile Elongation			ISO 37
Across Flow : Break	550	%	
Flow : Break	380	%	
Compression Set (158°F, 22 hr)	32	%	ISO 815
Hardness	Nominal Value	Unit	Test Method
Shore Hardness			ISO 868
Shore A, 5 sec, Extruded	60		
Shore A, 5 sec, Injection Molded	62		
Additional Information	Nominal Value	Unit	Test Method
Apparent Shear Viscosity - Capillary, 206 1/s (392°F)	220	Pa·s	ISO 11443

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Processing Information		
Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	3.0	hr
Rear Temperature	356 to 401	°F
Middle Temperature	356 to 401	°F
Front Temperature	356 to 401	°F
Nozzle Temperature	365 to 410	°F
Processing (Melt) Temp	365 to 410	°F
Mold Temperature	50 to 131	°F
Back Pressure	14.5 to 145	psi
Screw Speed	100 to 200	rpm

Notes

¹ Typical properties: these are not to be construed as specifications.