TEKNOR APEX

Sarlink® TPV K 156 BLK

Teknor Apex Company - Thermoplastic Vulcanizate

Thursday, June 29, 2017

General Information

Product Description

Sarlink K-156 is a high performance thermoplastic vulcanizate designed for a variety of automotive applications including exterior parts. Sarlink K-156 has superior low temperature performance and is suitable for injection molding.

General

Material Status	• Commercial: Active		
Availability	• Europe		
Features	• Chemical Resistant • Good Mold Release	• High Hardness • Low Density	• Low Specific Gravity • Low Temperature Impact Resistance
Uses	• Automotive Applications	• Automotive Exterior Parts	• Automotive Exterior Trim
RoHS Compliance	• RoHS Compliant		
Automotive Specifications	• GM QK 003531 Color: Black • PSA Peugeot-Citroën B62 0300 version G Color: Black • RENAULT F.R.M. 4D-50-A08 Color: Black • RENAULT F.R.M. 4D-50-A09 Color: Black • VAG VW501 23 Color: Black • VAG VW-TL 526 22-MD01 Color: Black		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.940	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	70	g/10 min	ISO 1133
Molding Shrinkage (0.0787 in)	1.1 to 1.6	%	ISO 294-4
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Flexural Modulus			ISO 178
-40°F	155000	psi	
73°F	38400	psi	
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress - Across Flow (100% Strain)	1150	psi	ISO 37
Tensile Stress - Across Flow (Break)	1480	psi	ISO 37
Tensile Elongation - Across Flow (Break)	570	%	ISO 37
Compression Set (158°F, 22 hr)	74	%	ISO 815
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact Strength (-31°F)	No Break		ISO 180/A
Hardness	**Nominal Value**	**Unit**	**Test Method**
Shore Hardness (Shore D, 5 sec, Injection Molded)	38		ISO 868
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Apparent Shear Viscosity - 206 1/s, Capillary (392°F)	198	Pa·s	ISO 11443

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Legal Statement

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Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	3.0	hr
Rear Temperature	350 to 420	°F
Middle Temperature	350 to 420	°F
Front Temperature	350 to 420	°F
Nozzle Temperature	360 to 430	°F
Processing (Melt) Temp	360 to 430	°F
Mold Temperature	50 to 150	°F
Back Pressure	10.0 to 150	psi
Screw Speed	100 to 200	rpm
Screw L/D Ratio	20.0:1.0	

Notes

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

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