+135-3858-6433 (GuangDong)
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TEKNOR APEX

Sarlink® TPE ML-2355B (PRELIMINARY DATA)

Teknor Apex Company - Thermoplastic Elastomer

General Information

Product Description

Sarlink TPE ML-2355B is a high performance thermoplastic elastomer designed for molding complex automotive applications. Sarlink TPE ML-2355B is a medium hardness, high density grade having good UV resistance, excellent molding behavior, and faster cycle times versus TPV's.

General			
Material Status	• Preliminary Data		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Chemical Resistant • Good Adhesion • Good Flow • Good Moldability	• Good Processability • High Density • High Specific Gravity • Low to No Fogging	• Medium Hardness • UV Resistant
Uses	• Automotive Applications	• Automotive Interior Parts	• Rubber Replacement
RoHS Compliance	• RoHS Compliant		
Appearance	• Black		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm³	ISO 1183
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress - Across Flow (100% Strain)	174	psi	ISO 37
Tensile Strength - Across Flow (Break)	1130	psi	ISO 37
Tensile Elongation - Across Flow (Break)	850	%	ISO 37
Compression Set (158°F, 22 hr)	40	%	ISO 815
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore A, 5 sec, Injection Molded)	55		ISO 868
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Apparent Shear Viscosity - Capillary, 206 1/s (392°F)	168	Pa·s	ISO 11443

Processing Information

Injection	Nominal Value	Unit
Rear Temperature	338 to 356	°F
Middle Temperature	356 to 392	°F
Front Temperature	392 to 428	°F
Nozzle Temperature	410 to 446	°F
Processing (Melt) Temp	392 to 446	°F
Mold Temperature	50 to 140	°F
Injection Pressure	870 to 1740	psi
Injection Rate	Fast	

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Injection	Nominal Value	Unit
Holding Pressure	580 to 870	psi
Back Pressure	72.5 to 290	psi
Screw Speed	50 to 120	rpm

Injection Notes

Drying is not necessary. However, if moisture is a problem, dry the pellets 2 to 4 hours at 65 degrees Celsius.

Time Settings
Injection Time: 0.5-2 seconds
Holding Time: 1-10 seconds
Cooling Time: As short as possible. The parts should be removable without deformation or piercing of the ejector(s)

Notes

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