Sarlink® TPE ME-2370B BLK

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink TPE ME-2370B is high performance thermoplastic elastomer designed for automotive exterior applications. Sarlink TPE ME-2370B is a medium hardness, low density grade with good UV resistance, good flow properties and suited for injection molding.

General Information			
Features	Low Specific Gravity Low density Good UV resistance Good liquidity Medium hardness		
Uses	Application in Automobile Field Automotive exterior parts		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	0.905	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	11	g/10 min	ASTM D1238
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness			ASTM D2240
Shaw A	70		ASTM D2240
Shaw A, 5 seconds	68		ASTM D2240
Elastomers	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (100% Strain)	2.20	MPa	ASTM D412
Tensile Strength (Break)	10.6	MPa	ASTM D412
Tensile Elongation (Break)	830	%	ASTM D412
Compression Set (70°C, 22 hr)	48	%	ASTM D395
Fill Analysis	**Nominal Value**	**Unit**	**Test Method**
Apparent Viscosity (200°C, 206 sec^-1)	145	Pa·s	ASTM D3835
Legal statement			

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Injection	Nominal Value	Unit
Rear Temperature	199 - 210	°C
Middle Temperature	204 - 216	°C
Front Temperature	210 - 221	°C
Nozzle Temperature	216 - 227	°C
Processing (Melt) Temp	216 - 227	°C
Mold Temperature	35 - 66	°C
Injection Pressure	1.38 - 6.89	MPa
Injection Rate	Fast	
Back Pressure	0.172 - 0.862	MPa
Screw Speed	50 - 120	rpm
Cushion	3.81 - 25.4	mm

Injection instructions
Drying is not necessary. However, if moisture is a problem, dry the pellets for 2 to 4 hours at 150°F (65°C).

Extrusion	Nominal Value	Unit
Cylinder Zone 1 Temp.	193 - 204	°C
Cylinder Zone 2 Temp.	199 - 210	°C
Cylinder Zone 3 Temp.	204 - 216	°C
Cylinder Zone 5 Temp.	210 - 221	°C
Die Temperature	216 - 227	°C

Extrusion instructions
Screw Speed: 30 to 100 rpm

Recommended distributors for this material

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