

Sarlink® TPE ME-2380B BLK

Thermoplastic Elastomer

Teknor Apex Company

Message:

ME-2300B is high performance TPE designed for automotive exterior application with good UV resistance and good flow properties.

General Information			
Features	Low density		
	Good UV resistance		
	Good liquidity		
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/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	14	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
100% strain	3.70	MPa	ASTM D412
300% strain	4.90	MPa	ASTM D412
Tensile Strength (Break)	12.2	MPa	ASTM D412
Tensile Elongation (Break)	760	%	ASTM D412
Compression Set (70°C, 22 hr)	66	%	ASTM D395
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	157	Pa · s	ASTM D3835
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

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