

Sarlink® TPE EE-2270B (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

The Sarlink EE-2200 Series is a general purpose thermoplastic elastomer series, available in BLK, designed for automotive exterior extrusion applications. Sarlink EE-2270B is a medium hardness, high density, UV stabilized grade with very good extrudability.

General Information			
Additive	UV stabilizer		
Features	High specific gravity		
	High density		
	Good UV resistance		
	Workability, good		
	Good flexibility		
	Good adhesion		
	Ozone resistance		
	Good toughness		
	Medium hardness		
Uses	Application in Automobile Field		
	Automotive exterior parts		
	Car exterior decoration		
	Rubber substitution		
RoHS Compliance	RoHS compliance		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.55	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw A	72		ISO 868
Shaw A, 15 seconds	69		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Transverse flow: 100% strain	2.10	MPa	ISO 37
Flow: 100% strain	2.90	MPa	ISO 37
Tensile Stress			ISO 37

Transverse flow: Fracture	10.6	MPa	ISO 37
Flow: Fracture	6.50	MPa	ISO 37
Tensile Elongation			ISO 37
Transverse flow: Fracture	760	%	ISO 37
Flow: Fracture	640	%	ISO 37
Tear Strength - Across Flow	34	kN/m	ISO 34-1
Compression Set			ISO 815
23°C, 22 hr	25	%	ISO 815
70°C, 22 hr	37	%	ISO 815
125°C, 70 hr	81	%	ISO 815
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	276	Pa · s	ASTM D3835

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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 4 Temp.	210 - 221	°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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