

Sarlink® TPE ME-2565B XRD

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink ME-2500 Series are high-flow injection molding materials with excellent UV resistance and adhesion to glass.

General Information			
Features	Good UV resistance		
	High liquidity		
Uses	Automotive Window Encapsulation		
	Automotive exterior parts		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.10	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	68		ASTM D2240
Shaw A, 5 seconds	65		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Transverse flow: 100% strain, 23°C	1.80	MPa	ISO 37
Flow: 100% strain, 23°C	1.90	MPa	ISO 37
Tensile Strength			ISO 37
Transverse flow: fracture, 23°C	6.70	MPa	ISO 37
Flow: fracture, 23°C	6.20	MPa	ISO 37
Tensile Elongation			ISO 37
Transverse flow: fracture, 23°C	780	%	ISO 37
Flow: fracture, 23°C	740	%	ISO 37
Tear Strength			ISO 34-1
Transverse flow: 23°C	27	kN/m	ISO 34-1
Flow: 23°C	26	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	32	%	ISO 815
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow			ISO 188

110°C, 1008 hr	-1.5	%	ISO 188
125°C, 1008 hr	-17	%	ISO 188
Changes in tensile stress upon fracture in air-Transverse flow			ISO 188
110°C, 1008 hr	-5.0	%	ISO 188
125°C, 1008 hr	-8.9	%	ISO 188
Change in Shore Hardness in Air			ISO 188
Support a, 110°C, 1008 hr	4.0		ISO 188
Support a, 125°C, 1008 hr	6.0		ISO 188
Fill Analysis	Nominal Value	Unit	Test Method
Apparent Viscosity (200°C, 206 sec ⁻¹)	133	Pa·s	ASTM D3835
Injection	Nominal Value	Unit	
Rear Temperature	165 - 175	°C	
Middle Temperature	175 - 185	°C	
Front Temperature	187 - 197	°C	
Nozzle Temperature	187 - 197	°C	
Processing (Melt) Temp	187 - 197	°C	
Mold Temperature	20.0 - 40.0	°C	
Injection Pressure	1.38 - 6.89	MPa	
Injection Rate	Moderate-Fast		
Back Pressure	0.172 - 0.862	MPa	
Screw Speed	50 - 100	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 176°F (80°C).

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

