

Sarlink® TPE EE-1195B BLK X (PRELIMINARY DATA)

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink EE-1100 Series are general purpose extrusion grades exhibiting good elastic performance.

General Information			
Features	High density		
Uses	Application in Automobile Field		
	Automotive exterior parts		
	Car exterior decoration		
	General		
Appearance	Black		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ISO 868
Shaw D, 1 sec	43		ISO 868
Shaw D, 5 seconds	39		ISO 868
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ISO 37
Transverse flow: 100% strain	6.80	MPa	ISO 37
Flow: 100% strain	5.50	MPa	ISO 37
Tensile Strength			ISO 37
Transverse flow: Fracture	13.5	MPa	ISO 37
Flow: Fracture	12.4	MPa	ISO 37
Tensile Elongation			ISO 37
Transverse flow: Fracture	660	%	ISO 37
Flow: Fracture	580	%	ISO 37
Tear Strength			ISO 34-1
Transverse flow	60	kN/m	ISO 34-1
Flow	52	kN/m	ISO 34-1
Compression Set (70°C, 22 hr)	62	%	ISO 815

Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air - Across Flow (110°C, 1008 hr)	-26	%	ISO 188
Changes in tensile stress upon fracture in air-Transverse flow (110°C, 1008 hr)	-17	%	ISO 188
Change in Shore Hardness in Air (support a, 110 c, 1008 hr)	3.8		ISO 188
Additional Information	Nominal Value	Unit	
Apparent Shear Viscosity - @ 206 1/sec (200°C)	240	Pa · s	
Injection	Nominal Value	Unit	
Rear Temperature	170 - 190	°C	
Middle Temperature	175 - 195	°C	
Front Temperature	180 - 205	°C	
Nozzle Temperature	180 - 205	°C	
Processing (Melt) Temp	180 - 205	°C	
Mold Temperature	15.0 - 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).

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

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

