

Sarlink® TPE EE-2240N

Thermoplastic Elastomer

Teknor Apex Company

Message:

The Sarlink EE-2200 series UV Resistant extrusion grades suitable for automotive exterior applications.

General Information			
Additive	UV stabilizer		
Features	High density		
Uses	Car exterior decoration		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.40	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	43		ASTM D2240
Shaw A, 15 seconds	40		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Transverse flow: 100% strain	0.758	MPa	ASTM D412
Flow: 100% strain	1.17	MPa	ASTM D412
Tensile Strength			ASTM D412
Transverse flow: Fracture	5.79	MPa	ASTM D412
Flow: Fracture	3.59	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	910	%	ASTM D412
Flow: Fracture	720	%	ASTM D412
Tear Strength - Across Flow	20.8	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	11	%	ASTM D395
70°C, 22 hr	26	%	ASTM D395
125°C, 70 hr	78	%	ASTM D395
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	35.0 - 65.6	°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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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

