

Sarlink® TPE EE-2263N

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink®TPE EE-2263N is a thermoplastic elastomer (TPE) material. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is: extrusion.

Sarlink®The typical application field of TPE EE-2263N is: automobile industry

General Information			
Uses	Car exterior decoration		
Appearance	Opacity		
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)	0.30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	69		ASTM D2240
Shaw A, 15 seconds	65		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	37.9	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Transverse flow: 100% strain	1.86	MPa	ASTM D412
Flow: 100% strain	2.62	MPa	ASTM D412
Tensile Strength			ASTM D412
Transverse flow: Fracture	8.41	MPa	ASTM D412
Flow: Fracture	5.93	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	810	%	ASTM D412
Flow: Fracture	660	%	ASTM D412
Tear Strength - Across Flow	30.8	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	20	%	ASTM D395
70°C, 22 hr	37	%	ASTM D395
125°C, 70 hr	73	%	ASTM D395
Aging	Nominal Value	Unit	Test Method
Change in Tensile Strength in Air (100°C, 168 hr)	-7.0	%	ASTM D573

Change in Ultimate Elongation in Air (100°C, 168 hr)	-2.0	%	ASTM D573
Change in Durometer Hardness in Air ¹ (Shore A)	1.0		ASTM D573
Flammability	Nominal Value	Unit	Test Method
Burning Rate ² (2.03 mm)	51	mm/min	ISO 3795

Additional Information

可燃性燃烧速率 (FMVSS 302) 2.0英寸/分钟= 合格

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

无需干燥.但如果湿度过大,则将粒料在150°F (65°C)的温度下干燥2-4小时.

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

螺杆转速30 - 100 rpm

NOTE

- Points
- (FMVSS 302) = PASS

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