

Sarlink® TPE TPE EE-2240N-01

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink®TPE TPE EE-2240N-01 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 or injection molding. Sarlink®The main characteristics of TPE TPE EE-2240N-01 are: UV stability.

Typical application areas include:

Automotive Industry
engineering/industrial accessories

General Information			
Additive	UV stabilizer		
Uses	Blow molding applications		
	Washer		
	Weather-resistant sealing strip		
	Application in Automobile Field		
	Car interior parts		
	Automotive exterior parts		
	Car exterior decoration		
	General		
Appearance	Natural color		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.17	g/cm³	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

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