

Sarlink® TPE ME-2375N-01

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink® TPE ME-2375N-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.

Typical application areas include:

Automotive Industry
engineering/industrial accessories

General Information			
Features	Low Specific Gravity		
	Low density		
	smoothness		
	Light stabilization		
	Medium liquidity		
	Lubrication		
	Fill		
	Medium hardness		
Uses	Washer		
	Weather-resistant sealing strip		
	Application in Automobile Field		
	Car interior parts		
	Automotive exterior parts		
	Car exterior decoration		
Appearance	Translucent		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.898	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A	77		ASTM D2240
Shaw A, 5 seconds	75		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412

Transverse flow: 100% strain	2.07	MPa	ASTM D412
Flow: 100% strain	2.86	MPa	ASTM D412
Tensile Strength			ASTM D412
Transverse flow: Fracture	11.9	MPa	ASTM D412
Flow: Fracture	6.21	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	860	%	ASTM D412
Flow: Fracture	640	%	ASTM D412
Tear Strength - Across Flow	35.0	kN/m	ASTM D1004

Additional Information

雾化,3小时,100C,21C板 = 96%

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

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