

Sarlink® TPE ME-2380N-01

Thermoplastic Elastomer

Teknor Apex Company

Message:

Sarlink® TPE ME-2380N-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			
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	0.898	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Molding Shrinkage			ASTM D955
Flow	1.2	%	ASTM D955
Transverse flow	1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 1 sec	83		ASTM D2240
Shaw A, 5 seconds	80		ASTM D2240
Elastomers	Nominal Value	Unit	Test Method
Tensile Stress			ASTM D412
Transverse flow: 100% strain	2.28	MPa	ASTM D412
Flow: 100% strain	3.10	MPa	ASTM D412
Tensile Strength			ASTM D412
Transverse flow: Fracture	12.7	MPa	ASTM D412

Flow: Fracture	6.69	MPa	ASTM D412
Tensile Elongation			ASTM D412
Transverse flow: Fracture	850	%	ASTM D412
Flow: Fracture	640	%	ASTM D412
Tear Strength - Across Flow	38.5	kN/m	ASTM D624
Compression Set			ASTM D395
23°C, 22 hr	31	%	ASTM D395
70°C, 22 hr	46	%	ASTM D395
125°C, 70 hr	87	%	ASTM D395

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

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

