

Salflex 140E

Thermoplastic Polyolefin Elastomer

Salflex Polymers Ltd.

Message:

Salflex 140E is a Thermoplastic Polyolefin Elastomer (TPO (POE)) product. It can be processed by blow molding, extrusion, or injection molding and is available in North America. Typical application: Automotive. Primary characteristic: impact resistant.

General Information			
Features	High Impact Resistance		
Uses	Automotive Applications		
Forms	Pellets		
Processing Method	Blow Molding		
	Extrusion		
	Injection Molding		

Physical	Nominal Value	Unit	Test Method
Density	0.930	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	3.5	g/10 min	ISO 1133
Molding Shrinkage	1.3	%	ISO 294-4

Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D, 15 sec)	41		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	550	MPa	ISO 178

Elastomers	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	11.0	MPa	ISO 37
Tensile Elongation (Break)	530	%	ISO 37
Tear Strength ¹	81	kN/m	ISO 34-1

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-28°C	No Break		
23°C	No Break		

Injection	Nominal Value	Unit
Drying Temperature	60.0 to 75.0	°C
Drying Time	2.0 to 4.0	hr
Rear Temperature	210 to 235	°C
Middle Temperature	215 to 240	°C
Front Temperature	220 to 240	°C
Nozzle Temperature	220 to 240	°C
Processing (Melt) Temp	210 to 230	°C
Mold Temperature	27.0 to 60.0	°C

NOTE

1. Method Bb, Angle (Nicked)

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