

Salflex 255

Thermoplastic Polyolefin Elastomer

Salflex Polymers Ltd.

Message:

Salflex 255 is a polyolefin thermoplastic elastomer (TPO (POE)) product. It can be processed by blow molding or extrusion and is available in North America. The application fields of Salflex 255 include automobile industry and industrial application. The main characteristics are: impact resistance.

General Information			
Features	Impact resistance, high		
Uses	Industrial application		
	Application in Automobile Field		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	1.02	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ISO 1133
Molding Shrinkage	1.2	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	53		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	25.0	MPa	ISO 527-2
Tensile Strain (Break)	650	%	ISO 527-2
Flexural Modulus	530	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	120	kN/m	ISO 34-1
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-28°C	No Break		ISO 180/1A
23°C	No Break		ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	62.0	°C	ISO 75-2/B
Extrusion	Nominal Value	Unit	
Drying Temperature	60.0 - 75.0	°C	
Drying Time	2.0 - 4.0	hr	
Cylinder Zone 1 Temp.	180 - 220	°C	
Cylinder Zone 2 Temp.	180 - 225	°C	

Cylinder Zone 3 Temp.	180 - 225	°C
Cylinder Zone 4 Temp.	180 - 225	°C
Melt Temperature	180 - 230	°C
Die Temperature	180 - 225	°C

Extrusion instructions

Blow Molding Mold Temperature: 20 to 50°C

NOTE

- Method B, right-angle specimen (cut)

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