

Salflex 255E

Thermoplastic Polyolefin Elastomer

Salflex Polymers Ltd.

Message:

Salflex 255E 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 255E include industrial application and automobile industry. The main characteristics are: impact resistance.

General Information	
Features	Impact resistance, high Sprayable
Uses	Industrial application Application in Automobile Field
Forms	Particle
Processing Method	Blow molding Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.950	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	2.2	g/10 min	ISO 1133
Molding Shrinkage	1.3	%	ISO 294-4
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	48		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	31.0	MPa	ISO 527-2
Tensile Strain (Break)	730	%	ISO 527-2
Flexural Modulus	550	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	98	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)	68.0	°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

1.
- Method B, right-angle specimen
(cut)

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