

Salflex 135

Thermoplastic Polyolefin Elastomer

Salflex Polymers Ltd.

Message:

Salflex 135 is a polyolefin thermoplastic elastomer (TPO (POE)) product. It can be processed by blow molding or extrusion and is available in North America. The main characteristics are: impact resistance.

General Information			
Features	Impact resistance, high		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.960	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness			ASTM D2240
Shaw A, 5 seconds	92		ASTM D2240
Shaw D, 5 seconds	35		ASTM D2240

Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	100	MPa	ASTM D790

Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11.0	MPa	ASTM D412
Tensile Elongation (Break)	620	%	ASTM D412
Tear Strength	70.0	kN/m	ASTM D624

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-28°C	No Break		ASTM D256
23°C	No Break		ASTM D256

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

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