

Salflex 255E-1

Thermoplastic Polyolefin Elastomer

Salflex Polymers Ltd.

Message:

Salflex 255E-1 is a polyolefin thermoplastic elastomer (TPO (POE)) product. It can be processed by blow molding or extrusion and is available in North America. Typical application areas are: automotive industry. The main characteristics are: impact resistance.

General Information			
Features	Impact resistance, high		
	Sprayable		
Uses	Application in Automobile Field		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.9	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 5 sec)	49		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	380	MPa	ASTM D790
Elastomers	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	15.0	MPa	ASTM D412
Tensile Elongation (Break)	740	%	ASTM D412
Tear Strength	110	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
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Extrusion instructions

Blow Molding Mold Temperature: 20 to 50°C

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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



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