

Salflex 145

Thermoplastic Polyolefin Elastomer

Salflex Polymers Ltd.

Message:

Salflex 145 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		
Forms	Particle		
Processing Method	Blow molding		
	Extrusion		

Physical	Nominal Value	Unit	Test Method
Density	0.980	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.4	g/10 min	ISO 1133
Molding Shrinkage	1.4 - 1.7	%	ISO 294-4

Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	45		ISO 868

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	21.0	MPa	ISO 527-2
Tensile Strain (Break)	670	%	ISO 527-2
Flexural Modulus	340	MPa	ISO 178

Elastomers	Nominal Value	Unit	Test Method
Tear Strength ¹	110	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

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	210	°C
Die Temperature	180 - 225	°C

Extrusion instructions			
Blow Molding Mold Temperature: 20 to 50°C			

NOTE

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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

