

# Salflex 925

High Density Polyethylene

Salflex Polymers Ltd.

Message:

Salflex 925 is a high density polyethylene product, which contains 25% mica filler. 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	
Filler / Reinforcement	Mica filler, 25% filler by weight
Features	Medium impact resistance
Uses	Application in Automobile Field
Forms	Particle
Processing Method	Blow molding
	Extrusion

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/21.6 kg)	12	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.5	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	34.0	MPa	ASTM D638
Tensile Elongation (Break)	10	%	ASTM D638
Flexural Modulus	3100	MPa	ASTM D790

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	140	J/m	ASTM D256

Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	108	°C	ASTM D648

Additional Information	
Ash Content, ISO 3451/1A: 25%	

Extrusion	Nominal Value	Unit
Drying Temperature	70.0 - 90.0	°C
Drying Time	2.0 - 4.0	hr
Cylinder Zone 1 Temp.	190 - 225	°C
Cylinder Zone 2 Temp.	190 - 230	°C
Cylinder Zone 3 Temp.	190 - 235	°C
Cylinder Zone 4 Temp.	190 - 235	°C
Melt Temperature	200 - 235	°C
Die Temperature	190 - 235	°C

Extrusion instructions
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Blow Molding Mold Temperature: 50 to 80°C

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#### Recommended distributors for this material

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