

Salflex 623TM4

Polypropylene Copolymer

Salflex Polymers Ltd.

Message:

Salflex 623TM4 is a polypropylene copolymer (PP Copoly) product, which contains 25% talc filler. It can be processed by blow molding or extrusion and is available in North America. The application fields of Salflex 623TM4 include industrial application and automobile industry. The main characteristics are: impact resistance.

General Information	
Filler / Reinforcement	Talc filler, 25% filler by weight
Features	Impact resistance, high
Uses	Industrial application Application in Automobile Field
Forms	Particle
Processing Method	Blow molding Extrusion

Physical	Nominal Value	Unit	Test Method
Density	1.06	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.9	g/10 min	ISO 1133
Molding Shrinkage	0.70 - 0.90	%	ISO 294-4

Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ISO 2039-2

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain (Break)	140	%	ISO 527-2
Flexural Modulus	1970	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	46	kJ/m ²	ISO 180/1A

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	57.0	°C	ISO 75-2/A

Additional Information	
Ash Content, ISO 3451/1A: 24%	

Extrusion	Nominal Value	Unit
Drying Temperature	70.0 - 90.0	°C
Drying Time	2.0 - 4.0	hr
Cylinder Zone 1 Temp.	180 - 215	°C
Cylinder Zone 2 Temp.	180 - 220	°C

Cylinder Zone 3 Temp.	180 - 220	°C
Cylinder Zone 4 Temp.	190 - 235	°C
Die Temperature	185 - 215	°C

Extrusion instructions

Blow Molding Mold Temperature: 50 to 80°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

