

# Salflex 805C

Polypropylene Copolymer

Salflex Polymers Ltd.

Message:

Salflex 805C is a polypropylene copolymer (PP Copoly) product, which contains a 5.0% glass fiber reinforced material. 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	Glass fiber reinforced material, 5.0% 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
Density	0.930	g/cm <sup>3</sup>	ISO 1183/A
Melt Mass-Flow Rate (MFR)	1.4	g/10 min	ISO 1133
Molding Shrinkage	0.80	%	ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	29.0	MPa	ISO 527-2
Tensile Strain (Break)	7.0	%	ISO 527-2
Flexural Modulus	1330	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	17	kJ/m <sup>2</sup>	ISO 180

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	109	°C	ISO 75-2/A

Additional Information	
Ash Content, ISO 3451/1A: 5.1%	

Extrusion	Nominal Value	Unit
Drying Temperature	80.0 - 100	°C
Drying Time	2.0 - 4.0	hr
Cylinder Zone 1 Temp.	180 - 210	°C
Cylinder Zone 2 Temp.	180 - 220	°C
Cylinder Zone 3 Temp.	180 - 220	°C
Cylinder Zone 4 Temp.	180 - 220	°C
Melt Temperature	180 - 215	°C
Die Temperature	180 - 230	°C

Extrusion instructions
Blow Molding Mold Temperature: 30 to 70°C

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