

RAVATHANE®

Ravathane® GF 130 S5D70



Technical Data Sheet

PRODUCT DESCRIPTION

Glass fiber reinforced polyester based thermoplastic polyurethane with excellent impact strength, dimensional stability, and stiffness.

MAIN APPLICATIONS

Injection molding

Typical Properties

PROPERTY	TEST METHOD	UNIT	VALUE
Glass-fiber content	-	%	30
Hardness	ISO 868	Shore D	70
Density	ISO 1183-1 A	g/cm ³	1,45
Tensile modulus	ISO 527-1/-2	MPa	3000
Stress at break	ISO 527-1/-2	MPa	90
Strain at break	ISO 527-1/-2	MPa	25
Impact strength (Charpy) +23 °C	ISO 179	kJ/m ²	160
Impact strength (Charpy) -30 °C	ISO 179	kJ/m ²	100
Notched impact strength (Charpy) +23°C	ISO 179	kJ/m ²	45
Notched impact strength (Charpy) - 30°C	ISO 179	kJ/m ²	15

Based on injection molded plaques (12cmx12cmx2mm) conditioned 24 hours at room temperature before testing.

Recommended Starting Injection Molding Temperature Profile

Nozzle (°C)	Metering (°C)	Compression (°C)	Feed (°C)
210-230	215-235	215-235	210-230

Before processing, the pellets have to be dried at 100-110°C for 2-4 hours. Maximum moisture content should be below 0.02%