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Product Data Sheet & General Processing Conditions

RTP 2209 HF UP Polyetheretherketone (PEEK) Glass Fiber High Flow Ultra Performance

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE		STANDARD
Primary Additive	50 %	
Density	1.73 g/cm ³	ISO 1183
MECHANICAL		
Impact Strength, Izod		
Notched, 4 mm thickness	12 kJ/m ²	ISO 180/1A
Unnotched, 4 mm thickness	65 kJ/m ²	ISO 180/1U
Tensile Strength	240 MPa	ISO 527
Tensile Elongation	2.0 %	ISO 527
Tensile Modulus	19500 MPa	ISO 527
Flexural Strength	355 MPa	ISO 178
Flexural Modulus	17000 MPa	ISO 178

PROPERTY NOTES

Data herein is typical and not to be construed as specifications.

Unless otherwise specified, all data listed is for natural or black colored materials. Pigments can affect properties.

GENERAL PROCESSING FOR INJECTION MOLDING

Injection Pressure	80 - 125 MPa
Injection Pressure	820 - 1240 bar
Melt Temperature	350 - 400 °C
Mold Temperature	160 - 220 °C
Drying	3 hrs @ 150 °C
Moisture Content	0.10 %
Dew Point	-30 °C

PROCESSING NOTES

Desiccant Type Dryer Required.