

(+) 18816996168

Poncioplastics.com



Product Data Sheet & General Processing Conditions

RTP 4005 UP Polyphthalamide (PPA) Glass Fiber Ultra Performance

PROPERTIES & AVERAGE VALUES OF INJECTION MOLDED SPECIMENS

PERMANENCE

STANDARD

Primary Additive	30 %	
Density	1.44 g/cm ³	ISO 1183

MECHANICAL

Impact Strength, Izod		
Unnotched, 4 mm thickness	75 kJ/m ²	ISO 180/1U
Tensile Strength	210 MPa	ISO 527
Tensile Elongation	2.5 %	ISO 527
Tensile Modulus	12500 MPa	ISO 527
Flexural Strength	310 MPa	ISO 178
Flexural Modulus	11000 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	70 - 125 MPa
Injection Pressure	680 - 1240 bar
Melt Temperature	300 - 330 °C
Mold Temperature	135 - 160 °C
Drying	4 - 6 hrs @ 105 °C
Moisture Content	0.05 %
Dew Point	-30 °C

PROCESSING NOTES

Desiccant Type Dryer Required.