

ALTECH® PP-H A 3020/100 GB20

Polypropylene Homopolymer

MOCOM Compounds GmbH & Co. KG

Technical Data

Product Description

Base Polymer
Polypropylene Homopolymer

Filler/Additive System
20 % glass beads

Market Segment
various

Typical Applications
various

General

Filler / Reinforcement	• Glass Bead, 20% Filler by Weight
Uses	• General Purpose
RoHS Compliance	• Contact Manufacturer
Processing Method	• Injection Molding

Physical

	Nominal Value Unit	Test Method
Density	1.03 g/cm³	ISO 1183
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	3.0 cm³/10min	ISO 1133
Molding Shrinkage		ISO 294-4
Across Flow : 24 hr	1.0 to 1.2 %	
Flow : 24 hr	0.70 to 0.90 %	

Mechanical

	Nominal Value Unit	Test Method
Tensile Modulus	1850 MPa	ISO 527-1
Tensile Stress (Yield)	28.0 MPa	ISO 527-2
Tensile Strain		ISO 527-2
Yield	7.7 %	
Break	43 %	
Flexural Modulus	1700 MPa	ISO 178
Flexural Stress (3.5% Strain)	34.0 MPa	ISO 178

Impact

	Nominal Value Unit	Test Method
Charpy Notched Impact Strength (23°C)	3.5 kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	38 kJ/m²	ISO 179/1eU

Thermal

	Nominal Value Unit	Test Method
Deflection Temperature Under Load		ISO 75-2/A
1.8 MPa, Unannealed	68.0 °C	
Vicat Softening Temperature	94.0 °C	ISO 306/B50
Melting Temperature	166 °C	ISO 11357-3

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Injection	Nominal Value Unit
Drying Temperature	
Circulation Dryer	80 to 120 °C
Desiccant Dryer	80 to 120 °C
Drying Time	
Circulation Dryer	2.0 to 4.0 hr
Desiccant Dryer	2.0 to 3.0 hr
Processing (Melt) Temp	200 to 270 °C
Mold Temperature	20 to 90 °C

Notes

¹ Typical properties: these are not to be construed as specifications.