



# Hostacom HYG 400-2 BLACK

## Compounded Polyolefin

### Product Description

Hostacom HYG 400-2 BLACK is a 20% glass fiber reinforced PP homopolymer, with very high flowability, low emissions and high stiffness. The product is also available in black color, pellet form.

*This grade is not intended for medical, pharmaceutical, food and drinking water applications.*

### Product Characteristics

Status	Commercial
Processing Method	Injection molding
Features	Flowability, low emissions, stiffness.
Typical Customer Applications	Used for structural parts.

Typical Properties	Method	Value	Unit
Physical			
Melt Volume Rate (230 °C, 2.16 kg)	ISO 1133	60	cm <sup>3</sup> /10 min
Mechanical			
Tensile Modulus (23 °C)	ISO 527-1, -2	4800	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	80	MPa
Tens.Strain at Break	ISO 527-1, -2	3	%
Ball Indentation Hardness (358 N)	ISO 2039-1	115	N/mm <sup>2</sup>
Impact			
Charpy Impact Strength, unnotched (23 °C)	ISO 179-1/1eU	30	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (23 °C)	ISO 179-1/1eA	6	kJ/m <sup>2</sup>
Charpy Impact Strength, notched (-30 °C)	ISO 179-1/1eA	4	kJ/m <sup>2</sup>
Thermal			
Heat Deflection Temperature A (1.8 MPa)	ISO 75-1, -2	135	°C

### Product Storage and Handling

- Product should be stored in dry conditions at temperatures below 50°C and protected from UV-light.
- Improper storage may bring damage to the packaging and can negatively affects on the quality of this product
- Keep material completely dry for good processing.

