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TECHNICAL DATA SHEET

AMPRO20-HP

REPROCESSED POLYPROPYLENE
HOMOPOLYMER INJECTION GRADE

PRODUCT DESCRIPTION

AMPRO20-HP is a reprocessed polypropylene homopolymer designed for general-purpose injection molding applications requiring good stiffness, tensile strength, dimensional stability, and reliable processing performance. The material offers a balanced 20 g/10 min melt flow rate, making it suitable for a broad range of medium-wall injection molded parts and general industrial applications.

TYPICAL APPLICATIONS

- Housewares
- Utility containers
- Storage bins and organizers
- Appliance components
- Packaging components
- Automotive non-appearance parts
- Industrial molded components
- Consumer products
- Material handling products
- General-purpose injection molded parts

COLOR AVAILABILITY

Available in **Natural** and **Black**.

TYPICAL PROPERTIES

Property	ASTM Method	Typical Value	Specification
Melt Flow Rate (230°C / 2.16 kg)	ASTM D1238	20 g/10 min	16 - 24 g/10 min
Density	ASTM D792	0.91 g/cm ³	0.90 - 0.93 g/cm ³
Tensile Strength at Yield	ASTM D638	4,300 psi	3,870 psi minimum
Elongation at Yield	ASTM D638	9%	Typical
Flexural Modulus, 1% Secant (1.3 mm/min)	ASTM D790	180,000 - 210,000 psi	170,000 psi minimum
Notched Izod Impact @ 23°C	ASTM D256	0.6 ft-lb/in	0.5 ft-lb/in minimum
Heat Deflection Temperature @ 66 psi	ASTM D648	217	°F

PROCESSING RECOMMENDATIONS

Parameter	Recommended Range
Melt Temperature	390-460°F (200-238°C)
Mold Temperature	60-120°F (16-49°C)

PACKAGING

Available in bulk, gaylords, supersacks, and custom packaging configurations.

DISCLAIMER

The values reported herein are typical test results and are intended for reference purposes only. Because this product is manufactured from recycled feedstocks, normal lot-to-lot variation may occur. Users should determine suitability through their own testing and evaluation.