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TECHNICAL DATA SHEET

AMPRO50-HP

REPROCESSED POLYPROPYLENE
HOMOPOLYMER INJECTION GRADE

PRODUCT DESCRIPTION

AMPRO50-HP is a high-flow reprocessed polypropylene homopolymer designed for general-purpose injection molding applications. The material provides excellent mold filling, high stiffness, good tensile strength, and fast processing characteristics. Its 50 g/10 min melt flow rate makes it particularly suitable for thin-wall parts, complex molds, long flow paths, and applications requiring short molding cycles.

TYPICAL APPLICATIONS

- Thin-wall injection molded parts
- Housewares
- Closures and caps
- Appliance components
- Consumer products
- Packaging components
- Disposable 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	50 g/10 min	40 - 60 g/10 min
Density	ASTM D792	0.91 g/cm ³	0.90 - 0.93 g/cm ³
Tensile Strength at Yield	ASTM D638	4,500 psi	4,200 psi minimum
Elongation at Yield	ASTM D638	6%	Typical
Flexural Modulus, 1% Secant (1.3 mm/min)	ASTM D790	180,000 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.