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TECHNICAL DATA SHEET

AMPRO-HIPS

HIGH IMPACT POLYSTYRENE
INJECTION GRADE PELLET

PRODUCT DESCRIPTION

AMPRO-HIPS is a general-purpose high impact polystyrene pellet designed for injection molding applications requiring a balance of processability, stiffness, strength, and impact resistance.

The material is suitable for molded consumer products, housings, containers, packaging components, and other general-purpose applications.

TYPICAL APPLICATIONS

- Appliance housings and interior components
- Consumer product housings
- Refrigerator liners and interior parts
- Food and general-purpose packaging
- Trays, containers, and lids
- Toys and recreational products
- Office equipment and electronic housings
- Injection-molded household products

APPEARANCE

Opaque, natural white to off-white pellets with a smooth, uniform appearance.

TYPICAL PROPERTIES

Property	ASTM Method	Typical Value	Units
Melt Flow Rate @ 200°C / 5 kg	ASTM D1238	9	g/10 min
Density	ASTM D792	1.03	g/cm ³
Tensile Strength at Yield	ASTM D638	3,550	psi
Flexural Modulus	ASTM D790	300,000	psi
Notched Izod Impact @ 73°F (23°C)	ASTM D256	2.2	ft-lb/in
Heat Deflection Temperature @ 66 psi	ASTM D648	195	°F

PROCESSING RECOMMENDATIONS

Parameter	Recommended Range
Melt Temperature	180–230°C / 356–446°F
Mold Temperature	20–60°C / 68–140°F

PACKAGING

Available in gaylords, supersacks, and custom packaging configurations.

DISCLAIMER

The values reported herein are typical test results and are intended for reference purposes only; they should not be used as specification limits. It is the user's responsibility to determine the suitability of this product for the intended application. No warranties, express or implied, including merchantability or fitness for a particular purpose, are made regarding the product or its use.