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TECHNICAL DATA SHEET

AMPRO-HDCG

HIGH DENSITY POLYETHYLENE
INJECTION CRATE GRADE

PRODUCT DESCRIPTION

AMPRO-HDCG is a high-density polyethylene resin designed for injection-molded applications requiring high stiffness, good impact strength, dimensional stability and efficient processing.

Its balance of flow, rigidity and toughness makes it suitable for industrial crates, reusable containers, totes and other durable molded products.

TYPICAL APPLICATIONS

- Industrial crates
- Dairy and beverage crates
- Reusable shipping containers
- Material-handling totes
- Agricultural crates
- Storage bins
- Pallets and rigid containers
- General-purpose injection-molded products

COLOR AVAILABILITY

Available in **Natural**.

TYPICAL PROPERTIES

Property	ASTM Method	Typical Value	Units
Melt Flow Rate @ 190°C / 2.16 kg	ASTM D1238	8	g/10 min
Density	ASTM D792	0.958	g/cm ³
Tensile Strength at Yield (50 mm/min)	ASTM D638	4,200	psi
Flexural Modulus, 1% Secant (1.3 mm/min)	ASTM D790	205,000	psi
Elongation at Yield	D638	7	%
Heat Deflection Temperature @ 66 psi	ASTM D648	172	°F
Vicat Softening Temperature	ASTM D1525	260	°F

PROCESSING RECOMMENDATIONS

Parameter	Recommended Range
Barrel Temperature	360–430°F
Die Temperature	50–100°F

PACKAGING

Available in bulk, supersacks, gaylords or other agreed packaging configurations. Store indoors in a clean, dry area away from direct sunlight, excessive heat, moisture and sources of contamination. Keep packaging closed until use.

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.