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TECHNICAL DATA SHEET

AMPRO-HD20

HIGH DENSITY POLYETHYLENE
INJECTION GRADE

PRODUCT DESCRIPTION

AMPRO-HD20 is a high-density polyethylene resin designed for injection-molding applications requiring high flow, good stiffness, dimensional stability and efficient processing.

Its high melt flow makes it suitable for thin-wall parts, closures, caps and other injection-molded products requiring easy mold filling and short cycle times.

TYPICAL APPLICATIONS

- Caps and closures
- Thin-wall containers
- Household products
- Consumer packaging
- Small injection-molded components
- Laboratory and medical 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	20	g/10 min
Density	ASTM D792	0.953	g/cm ³
Tensile Strength at Yield (50 mm/min)	ASTM D638	3,900	psi
Flexural Modulus, 1% Secant (1.3 mm/min)	ASTM D790	175,000	psi
Elongation at Break	ASTM D638	300	%
Hardness, Shore D	ASTM D2240	63	-
Vicat Softening Temperature	ASTM D1525	252	°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.