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TECHNICAL DATA SHEET

AMPRO-HDFM

HIGH DENSITY POLYETHYLENE
FRACTIONAL MELT REPROCESSED PELLET

PRODUCT DESCRIPTION

AMPRO-HDFM is a high-density polyethylene recycled pellet formulated for extrusion applications requiring good melt strength, stiffness, impact resistance and chemical resistance.

The material is produced from selected recycled polyethylene feedstocks and is intended for non-pressure pipe, conduit, corrugated pipe, profiles and other general-purpose extrusion applications.

TYPICAL APPLICATIONS

- Non-pressure pipe
- Corrugated drainage pipe
- Electrical conduit
- Irrigation and drainage products
- Extruded profiles
- Industrial tubing
- General-purpose extrusion products

COLOR AVAILABILITY

Available in **Black**.

TYPICAL PROPERTIES

Property	ASTM Method	Typical Value	Specification
Melt Flow Rate (190°C / 2.16 kg)	ASTM D1238	0.35 g/10 min	0.25-0.5 g/10 min
Density	ASTM D792	0.9530 g/cm ³	0.950 – 0.956 g/cm ³
Tensile Strength at Yield	ASTM D638	3,500 psi	3,200-3,800 psi minimum
Elongation at Yield	ASTM D638	6-8%	Typical
Flexural Modulus, 1% Secant (1.3 mm/min)	ASTM D790	160,000 psi	140,000- 180,000 psi
Vicat Softening Temperature	ASTM D1525	245-255	°F

PROCESSING RECOMMENDATIONS

Parameter	Recommended Range
Melt Temperature	260-270°F (127-132°C)
Mold Temperature	50-90°F (10-32°C)

PACKAGING

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

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.