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BANDAREMAM PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE HI0500

HDPE HI0500 is a natural high-density polyethylene (HDPE) injection molding grade known for its combination of high stiffness with excellent physical properties. This makes it suitable for various applications including crates, industrial parts, thick wall parts, food containers, engineering parts, and tool boxes.

Producer	Characteristic Properties	Applications
BANDAREMAM	high stiffness and good physical properties	crates, industrial parts, thick wall parts, food containers, engineering parts, and tool boxes

Typical Properties

Resin Properties	Unit	Typical Value	Test Method
Mass Density (23°C)	g/cm ³	0.963-0.967	ASTM D 1505
Melt Flow Rate (190°C/2.16 kg)	g/10min	4-6	ASTM D1238
Ash content	wt%	0.06 max.	ASTM D 1063
Volatile matter	wt%	0.05 max.	ASTM D 1960
Tensile strength @break	gr/cm ²	170 min	ASTM D 638
Elongation @ break	%	300 min	ASTM D 638
Melting point	°C	130	ASTM D 2117
Vicat softening point	°C	124	ASTM D 1525
ESCR	hr	4	ASTM D 1693