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BANDAR IMAM PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE HB0035

HB0035 is a type of plastic (high density polyethylene) well-suited for blow molding applications. It combines ease of processing with good strength, stiffness, and impact resistance even at cold temperatures. It also resists chemicals and cracking. This makes it a versatile material for making bottles, containers, and other hollow products.

Producer	Characteristic Properties	Applications
Bandar Imam	High impact strength- Good stress - cracking resistance - High stiffness- Excellent chemical resistance Superb impact resistance at ambient and cold temperatures	HB0035 makes strong, chemical-resistant containers (10cc-20L) like bleach bottles and water jugs.

Typical Properties

Resin Properties	Unit	Typical Value	Test Method
MFI (190 oC /2. 16 kg)	g/10min	0.35	ASTM D 1238
Density	g/m3	0.959	ASTM D-1505
YELLOW INDEX	-	-5 max.	ASTM D 1925
Izod impact strength	Kg.cm/cm	25 min	ASTM D 256
Ash content	wt%	0.06 max	ASTM D 1063
Volatile matter	wt%	0.05 max.	ASTM D 1960
Tensile strength @ break	gr/cm2	290 min	ASTM D 638
Elongation @ break	%	900 min	ASTM D 638
Melting point	°C	130	ASTM D 2117
Vicat softening point	°C	126	ASTM D 1525
ESCR	hr	15	ASTM D 1693