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ILAM PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE HDPE 2200J

HD 2200J is high density polyethylene homopolymer with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty parts. Articles produced from this grade exhibit good impact strength and high stiffness.

Producer	Characteristic Properties	Applications
ILAM	Excellent rigidity and impact strength	Technical and industrial parts Shipping container- Fish crates Storing cases

Typical Properties

Resin Properties	Unit	Typical Value	Test Method
MFI (190°C/2.16KG)	g/10min	5.2	ASTM D-1238
Density	g/cm ³	0.952	0.964
Flexural Modulus	MPa	1200	ISO 178
Tensile Strength at yield	Kg/cm ²	170	ASTM D 638
Elongation at Break	%	>300	ASTM D 638
Izod Impact Strength(23°C)	kg.cm/cm	5	ASTM D 256
Hardness Shore D	-	66	ASTM D 2240
ESCR	hr	4	ASTM D1693
Vicat Softening Temperature	°C	124	ASTM D 1525
Melting Point	°C	135	ASTM D2117