

LDPE	LLDPE	MDPE	HDPE	PP	PVC	GPPS	HIPS	EPS	PET	ABS	SBR	PBR	PC
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PETROCHEMICAL COMMERCIAL CO.

HD 2200J *High Density Polyethylene*

Product Description:

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

Applications:

- Technical and industrial parts
- Shipping containers
- Fish crates
- Storage cases

Typical Data¹:

Property	Test Method	Unit	Typical Value
MFI (190°C/ 2.16 kg)	ASTM D-1238	g/10 min.	5.2
Density	ASTM D-1505	g/cm ³	0.964
Flexural Modulus	ISO 178	MPa	1200
Tensile Strength @ Yield	ASTM D-638	kg/cm ²	170
Elongation @ Break	ASTM D-638	%	>300
Izod Impact Strength (23°C)	ASTM D-256	kg.cm/cm	5
Hardness Shore D	ASTM D-2240	-	66
ESCR	ASTM D-1693	hr	4
Vicat Softening Temperature	ASTM D-1525	°C	124
Melting Point	ASTM D-2117	°C	135

Processing Conditions:

Recommended melt temperature: 200 – 230 °C

Packaging, Delivery and Storage:

The product is supplied in palletized 25kg bags.

HD 2200J should be stored in a dry place keeping away from sources of heat and light. Please consult the safety data sheet for information about the safety precautions necessary for transport, storage and processing.

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¹ The values given above are **typical** test results under specific conditions which should be used as a guide only. For technical aspects, please contact us: engsales@petrochem-ir.net or Tel: +98 21 8285 2320.