

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 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

#### ***Applications:***

- Technical and industrial parts
- Shipping container
- Fish crates
- Storing cases

#### ***Typical Data<sup>1</sup>***

Property	Test Method	Unit	Typical Value
<b>MFI(190°C/ 2.16Kg)</b>	ASTM D 1238	gr/10Min	5.2
<b>Density</b>	ASTM D 1505	gr/cm <sup>3</sup>	0.964
<b>Flexural Modulus</b>	ISO 178	MPa	1200
<b>Tensile Strength at yield</b>	ASTM D 638	Kg/cm <sup>2</sup>	170
<b>Elongation at Break</b>	ASTM D 638	%	>300
<b>Izod Impact Strength(23°C)</b>	ASTM D 256	kg.cm/cm	5
<b>Hardness Shore D</b>	ASTM D 2240	-	66
<b>ESCR</b>	ASTM D1693	hr	4
<b>Vicat Softening Temperature</b>	ASTM D 1525	°C	124
<b>Melting Point</b>	ASTM D2117	°C	135

#### ***Processing Conditions:***

Recommended melt temperature: 200 – 230 °C

#### ***Packaging, Delivery and Storage:***

The product is supplied in palletized 25-kg bags.

HD 2200J should be stored dry and 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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<sup>1</sup> The values given above are **typical** test results under specific condition which should be used as a guide only. For technical aspects please contact us: [engsales@petrochem-ir.net](mailto:engsales@petrochem-ir.net), +982182852320