

HD-I2

License Grade Code HB 7250

High Density Polyethylene (HDPE)

Product Description

"I2 (HB 7250)" is a high density polyethylene with Propylene as co-monomer. It is easy flowing, low warpage, less hard and stiff than I1. Stabilization: Ca-Stearate, Irganox1010.

Applications

- Household articles
- Closures/seals
- Packaging

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
MELT FLOW RATE(MFR) (190°C/2.16KG)			
DENSITY	g/cm ³	0.950	ISO 1183
TENSILE STRENGTH @ YIELD	MPa	24	ISO 527
TENSILE STRENGTH @ BREAK	MPa	30	ISO 527
ELONGATION @ BREAK	%	>1000	ISO 527
HARDNESS SHORE D	--	61	ISO 868
ESCR (FNCT)@2.5MPA	h	1.0	ISO CD 16770
CHARPY NOTCH IMPACT STRENGTH	Kj/m ²	3	ISO 179
VICAT SOFTENING TEMPERATURE	°C	64	ISO 306
MELTING POINT	°C	136	ISO 3146

Processing Condition

- Recommended injection moulding temperature: 200-280 °C
- Injection Moulding Machine: Arburg, All-rounder 221K 350-100 Cylinder
- Temperature (°C): 240,280
- Mould temperature: 25-35 °C
- Injection pressure: 900 Bar
- Hold Pressure: Just high enough to avoid sink Mark
- Injection Speed: Highest Possible

Producer: Amir Kabir Petrochemical Co.

Licensor: Basell

Packing: 25 Kg plastic bag

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