Manufacturer website: www.jpcomplex.ir

HD –I3

License Grade Code HC 7260(THE)

1) Product Description:

"I3 (HC 7260)" is a high Density polyethylene with Propylene as comonomer. The product has good impact strength, good stress cracking resistance (ESCR), low warping and good flow ability as well as high density, hardness and stiffness
Stabilization: Ca-Stearate, Irganox1010

2) Applications:

- Transport and stacking crates.
- Particularly bottle crates.
- Engineering parts.
- Closures.

3) Typical Data

Property	Unit	Typical Value*	Test Method
Melt Flow Rate(MFR) (190 ˚C/2.16Kg) (190 ˚C/5Kg) (190 ˚C/21.6Kg)	g/10min	8 23 --	ISO 1133
Density	g/cm3	0.957	ISO 1183
Tensile Strength @ yield	MPa	29	ISO 527
Tensile Strength @ break	MPa	30	ISO 527
Elongation @ break	%	>1000	ISO 527
Hardness Shore D	---	64	ISO 868
ESCR (FNCT)@2.5MPa	h	1.5	ISO CD 16770
Charpy Notch Impact Strength	Kj/m2	3	ISO 179
Vicat Softening Temperature	˚C	72	ISO 306
Melting Point	˚C	138	ISO 3146

* Typical Values : not to be construed as specifications

4) Processing Condition:

Recommended injection moulding temperature: 200-280 °C
Injection Moulding Machine: Arburg, Allrounder 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: AmirKabir Petrochemical Co. Licensor: Basell Packing: 25 Kg plastic bag

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