

**NAME: HD -I3 License Grade Code HC 7260(THE)**

**Product Description:**

"I3" is a high density polyethylene with 1-Butene as co monomer. It is rigid, low warpage, good flow ability, high density, hardness and stiffness, good impact strength good stress cracking resistance.

**Applications:**

- Injection moulding
- Crates
- Engineering parts
- Closures

**Typical data**

PROPERTY	METHOD	UNIT	VALUE
Mass density (23 °C)	ISO 1183	g/cm <sup>3</sup>	0.957
Melt Flow Rate (190 °C /2.16kg)	ISO 1133	g/10min	8
Melt Flow Rate (190 °C /5 kg)	ISO 1133	g/10min	23
Stress at Yield	ISO 527	MPa	29
Flexural Creep Modulus (4point, 1min)	DIN 19537-2	MPa	1550
Tensile Modulus (23 °C, v = 1mm/min,Secant)	ISO 527	MPa	1350
Stress at Break	ISO 527	MPa	30
Elongation at Break	ISO 527	%	>1000
Elongation at yield	ISO 527	%	10
Softening Temperature	ISO 306	°C	72
Brittle Temperature	ASTM D746-72	°C	< - 80
Shore D hardness	ISO 868	-	64
ESCR in Full Notch Creep Test (80 °C, 2% Arcopal )	ISO CD 16770	h@2.5 MPa	1.5
Impact strength (23 °C)	ISO 179/1eA	Kj/m <sup>2</sup>	2.5

\* Typical Values: not to be construed as specifications

**Process condition:**

Recommended injection molding temperature: 200 - 280 °C Licensor: Basell Packing: 25 Kg plastic bag