

HD7255 (I4)

High Density Polyethylene for Injection Moulding

General Description

HD7255 is a HDPE grade polymer with high impact strength and low warpage.

Typical Applications

- Injection moulding
- Thick-walled items
- Highly stressed transport containers

Product type: Homopolymer

Catalyst: THE/K1

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Density	0.957±0.002	g/cm ³	ISO 1183
FRR (5/2.16)	2.9±0.5		
MFR (190 °C/2.16 Kg)	8±2	g/10 min	ISO 1133
MFR (190 °C/5 Kg)	23±3	g/10 min	ISO 1133
Notched impact (23 °C)	≥4	MJ/mm ²	ISO 179/1eA

* Typical values; not to be considered as product specification.

Note:

Test specimens were taken from compression moulded sheet at 23°C.

FRR values are statistical and calculated by dividing MFR values.

Notch impact test specimen was taken from compressed moulded sheet at 23°C and the data quoted here are average values.

Process condition: Recommended injection molding temperature: 200-280 °C.