

HD-I1

License Grade Code H7260



High Density Polyethylene (HDPE)

Product Description

"I1 (HA 7260)" is a high density polyethylene with Propylene as comonomer. It is very easy flowing, high density, hardness and stiffness, largely warpage free, for mass product articles in rapid shot frequency. Stabilization: Ca-Stearate, MGO, Irganox1010, UMV13

Applications

- Lightweight household.
- Disposable articles.
- Large moulding and complicated parts where high impact strength and stress cracking resistance (ESCR) are not demanded.

PROPERTY	UNIT	TYPICAL VALUE	TEST METHOD
PHYSICAL			
MELT FLOW RATE(MFR) (190°C/2.16KG) (190 °C/5KG)	g/10min	17.52	ISO 1133
DENSITY	g/cm ³	0.957	ISO 1183
MECHANICAL			
TENSILE STRENGTH @ YIELD	MPa		ISO 527
TENSILE STRENGTH @ BREAK	MPa		ISO 527
ELONGATION @ BREAK	%		ISO 527
HARDNESS SHORE D	-		ISO 868
ESCR			
CHARPY NOTCH IMPACT STRENGTH	Kj/m ²	2	ISO 179
THERMAL			
VICAT SOFTENING TEMPERATURE	°C		ISO 306
MELTING POINT	°C		ISO 3146

Processing Condition

Recommended injection moulding temperature: 200-280 °C

IMPORTANT: The information and data presented herein are based on values from respective product manufacture. Therefore, no warranty or guarantee, expressed or implied, is made nor is any accountability accepted with respect to the use of such information and data. All mentioned data are typical values and not to be considered as legally binding specification.