



SHOBEIR SHIMI  
WWW.SHOBEIRSHIMI.COM  
info@shobeirshimi.com

AMIR KABIR PETROCHEMICAL COMPANY

## HIGH DENSITY POLYETHYLENE HDPE I3

The HDPE I3 grade of high-density polyethylene is renowned for its low distortion tendency, high hardness and rigidity, good toughness, and exceptional environmental stress cracking resistance, making it highly suitable for mass production injection molding in rapid shot sequence applications.

Producer	Characteristic Properties	Applications
AMIR KABIR	Good impact strength and stress cracking resistance Low warping and good flowability	Transport and stacking crates. Particularly bottle crates. Engineering parts - Closures

### Typical Properties

Resin Properties	Unit	Typical Value	Test Method
MFR (190 C/2.16Kg)	g/10min	8.0±1.0	ISO 1133
MFR (190 C/5Kg)	g/10min	23.3	ISO 1133
FRR5/2.16	-	2.8±0.6	-
Density	g/cm <sup>3</sup>	0.957±0.002	ISO 1183
Notched Impact Strength	mJ/mm <sup>2</sup>	3.0	ISO179/1eA