



LDPE	LLDPE	MDPE	HDPE	PP	PVC	GPPS	HIPS	EPS	PET	ABS	SBR	PBR	PC	E.P.
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HDPE- I3

HIGH DENSITY POLYETHYLENE

General Informations:

I3 is an easy flowing HDPE with narrow molar mass distribution, high density, low wrapping tendency, hardness and stiffness, good impact strength and good stress cracking resistance.

I3 is producing in Amir Kabir Petrochemical Co. under Basell Licence.

Applications:

I3 is injection moulding grade suitable for transport and stacking crated, particular bottle cartes.

Specifications:

Properties	Unit	Test Method	Value
MFR(190/2.16kg)	g/10min	ISO1133	8±1
MFR(190/5)	g/10min	ISO1133	23±3
Density	gr/ cm3	ISO1183	0.957±0.002
Notched impact strength(@23°C)	kJ/m2	ISO1791eA	3 min

The above data are typical laboratory average . They are intended to serve as guides only.



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Recommended Processing Conditions :

I3 can be processed in most types of Injection moulding equipments.

Temperature settings:	° C	200 to max 300
Injection pressure	bar	Up to max. pressure
Follow- up pressure	bar	max 500
Back Pressure	bar	50-300
Injection Rate	mm	As high as possible depending on the molding
Mould temperature	° C	10 to 90
Mould clamping force	N/cm ²	≥2500

Storage:

I3 should be stored in dry and dust free environment at temperature below 50°C. Exposure to direct sun light should be avoided as this may lead to product deterioration.

Recycling & Environment :

End products made from this polymer can be recycled , incinerated or disposed of in landfill without detriment to the environment. With recycling , clean waste can be re-used for many less demanded applications .

Alternatively , with properly controlled and efficient incineration , preferably linked to heat or other energy recovery system, polyethylene's high calorific value will assist the combustion of municipal solid waste .

In landfill sites I3 does not degrade to produce voids , and does not emit dangerous gases or contribute to ground water pollution .

If pigments or other additives are incorporated into this product at the processing stage, the above statements may not be fully valid .

Packaging:

This product is packed in 25 Kg PE bags.