

Arak HDPE I4

High Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

I4 is a high density polyethylene grade, suitable for injection moulding applications.

Characteristics:

Low distortion tendency.

High toughness.

Good ESCR.

Typical applications are:

Thick-Walled, highly stressed transport containers e.g. refuse bins & fishcrates.

Screw caps.

Cable clips.

* I4 is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
Uses	Caps		
	Closures		
	Containers		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.954	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	11	g/10 min	DIN 53735
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 4.5	kJ/m ²	DIN 53453
Optical	Nominal Value	Unit	Test Method
Yellowness Index	< 4.0	YI	DIN 6167

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