

# Arak HDPE I3

High Density Polyethylene  
Shazand (Arak) Petrochemical Corporation

Message:

I3 is a high density polyethylene grade, suitable for mass production injection moulding of articles in rapid shot sequence applications.

Characteristics:

- Low distortion tendency.
- High hardness and rigidity.
- Good toughness.
- Good ESCR.

Typical applications are:

- Transport and stacking crates particularly bottle crates.

\* I3 is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	High Hardness		
	High Rigidity		
Uses	Crates		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm <sup>3</sup>	DIN 53479
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	23	g/10 min	DIN 53735
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 2.7	kJ/m <sup>2</sup>	DIN 53453
Optical	Nominal Value	Unit	Test Method
Yellowness Index	< 4.0	YI	DIN 6167

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## Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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