

Arak HDPE I1

High Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

I1 is a high density polyethylene grade, suitable for mass production injection moulding of articles in rapid shot sequence applications.

Characteristics:

- Very easy flowing.
- High hardness.
- High rigidity.
- Largely free from distortion.

Typical applications are:

- Lightweight house-hold and disposable articles.
- Large moulding and complicated parts where high toughness & stress cracking resistance is demanded.

* I1 is suitable for food contact.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Flow		
	Good Toughness		
	High ESCR (Stress Crack Resist.)		
	High Hardness		
	High Rigidity		
Uses	Cable Jacketing		
	Disposable Drinkware		
	Disposable Tableware		
	Household Goods		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm ³	DIN 53479
Melt Mass-Flow Rate (MFR) (190°C/5.0 kg)	52	g/10 min	DIN 53735
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	> 1.9	kJ/m ²	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

