

Arak LLDPE HD5740UA

High Density Polyethylene
Shazand (Arak) Petrochemical Corporation

Message:

HD5740UA is an ultra-violet light stabilised high density polyethylene copolymer grade with a narrow molecular weight distribution, specially developed for injection moulding of heavy duty articles.

Characteristics:

High rigidity.

High impact resistance, especially at low temperatures.

Good weathering resistance.

Typical applications are:

Large dustbins & pails.

Pallet boxes.

Fish crates.

Technical parts.

* HD5740UA is suitable for food contact.

General Information			
Additive	UV Stabilizer		
Features	Copolymer		
	Food Contact Acceptable		
	Good UV Resistance		
	Good Weather Resistance		
	High Impact Resistance		
	High Rigidity		
	Low Temperature Impact Resistance		
	Narrow Molecular Weight Distribution		
Uses	Containers		
	Crates		
	Engineering Parts		
	Household Goods		
	Pails		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.957	g/cm ³	ASTM D2838
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	27.0	MPa	ASTM D638
Tensile Elongation (Break)	1000	%	ASTM D638

Flexural Modulus	1100	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength	10	kJ/m ²	ASTM D256

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