



Arak Petrochemical Company



ISO 9001:2000

Certificate No.: CH98/8032

ISO 14001:2004

Certificate No.: CH03/0112

OHSAS 18001:1999

Certificate No.: CH05/0675

High Density Polyethylene HD2840UA (Rotational Moulding)

Typical properties	Test method (ASTM)	Unit	Value
MFI@190°C, 2.16 kg	D-1238	gr/10min	3.8 - 4.5
Density	D-2839	gr/cm ³	0.925-0.929
Tensile Strength@Yield	D-638	Mpa	11
Elongation@Break	D-638	%	1000
Flexural Modulus	D-790	Mpa	280
Stress Crack Resistance (50°C)	D-1693	hr	500
Impact Strength (Internal Test)	D-256	J	12

> Values shown are averages & are not to be considered as product specification

❖ Main application & Characteristics:

HD2840UA is a linear, UV stabilized virgin medium density polyethylene copolymer grade (MDPE), with a narrow molecular weight distribution.

◆ Characteristics:

- High stiffness.
- Good impact stress.
- Whiteness.
- UV stabilized.
- Good Stress Cracking Resistance.
- Excellent process-ability.
- Excellent internal and external surface finish.

◆ Typical applications are:

- Rotational moulded items with good stiffness, such as: Septic tanks and Ordinary containers.
- Injection moulded technical parts and closure.

* HD2840UA is suitable for food contact.