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TABRIZ PETROCHEMICAL COMPANY

HIGH DENSITY POLYETHYLENE - HDPE HD3030UA

HDPE HD3030UA is a UV-stabilized rotational molding grade offering high impact strength and excellent crack resistance (ESCR). It is ideal for producing durable, hollow outdoor and consumer products that require a superior surface finish.

Producer	Applications
Tabriz Petrochemical Company	It is an excellent choice for rotationally molding a wide range of products, including tanks, leisure goods like toys and boats, and safety infrastructure like traffic signs.

Typical Properties			
Resin Properties	Unit	Typical Value	Test Method
MELT FLOW INDEX (190°C 2.16KG)	g/10min	3	ASTM D-1238
DENSITY	gr/cm3	0.930	ASTM D-1505
VICAT SOFTENING POINT(120°C/hr 1kg)	°C	110	ASTM D-1525
HDT(120°C/HR AND 1.82MPa)	°C	70	ASTM D-648
MELTING POINT	°C	122	ASTM D-1525
ELONGATION AT BREAK	%	800	ASTM D-638
FLEXURAL MODULUS	MPa	600	ASTM D-790
TENSILE STRESS AT YEILD	MPa	12	ASTM D-638
ESCR (IGEPAL10% F50,50°C)	hr	400	ASTM D-1693
CHARPY IMPACT(NOTCHED)	KJ/m2	60	ASTM D-6110
YELLOWNESS INDEX	Kj/m2	-1	ASTM E-313
WHITENESS INDEX	-	55	ASTM E-313