



TYPICAL DATA SHEET*

POLYETHYLENE

HD3030UA**

HD3030UA is high density polyethylene copolymer containing butene-1(C4) as co monomer. It is suitable for use as rotational molding applications. HD3030UA has the following characteristics: good impact strength, easy to demolding, UV stabilized, good whiteness, excellent surface finish. HD3030UA has the following advantages:

- Good Charpy impact
- Good ESCR

Applications: general purpose roto molded items, small septic tanks (max 500 lit), small recycling tanks (max 500 lit), Toys, Traffic warning signs, Pleasure boats

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (190°C 2.16KG)	g/10min	ASTM D-1238	3
DENSITY	gr/cm ³	ASTM D-1505	0.930
YELLOWNESS INDEX	-	ASTM E-313	-1
WHITENESS INDEX	-	ASTM E-313	55
VICAT SOFTENING POINT	°C	ASTM D-1525	110
TENSILE STRESS AT YEILD	MPA	ASTM D-638	12
ELONGATION AT BREAK	%	ASTM D-638	800
ESCR (IGEPAL10% F50,50°C)	HR	ASTM D-1693	400
FLEXURAL MODULUS	MPA	ISO178-197	600
CHARPY IMPACT		ASTM D-6110	60

*All above mentioned data are typical values and not to be construed as real specifications. Users should confirm results by their own tests. For more information about guaranteed items, please refer to S.S.S. (Standard Sales Specifications)

** HD3030UA falls into the density range of MDPE. However, in order to observing the nomenclature procedure of PE plant licenser (INEOS), this grade is designated as HDPE; while it can be introduced as MD3030UA as well

Grade Suffix (Additives Indication) UA: GENERAL ANTIOXIDANT AND LIGHT STABLISER