

	<b>TYPICAL DATA SHEET*</b>
	<b>POLYETHYLENE</b>
	<b>HD3840UA**</b>

HD3840UA is high density polyethylene copolymer containing butene-1(C4) as co monomer. It is suitable for use as rotational molding applications. HD3840UA has the following characteristics: good impact strength, easy to demoulding, UV stabilized, good whiteness, excellent surface finish. This grade has food contact approval.

Applications: general purpose roto molded items, septic tanks, recycling tanks

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
<b>MELT FLOW INDEX (190°C 2.16KG)</b>	g/10min	ASTM D-1238	4
<b>DENSITY</b>	gr/cm3	ASTM D-1505	0.938
<b>YELLOWNESS INDEX</b>	-	ASTM E-313	-1
<b>WHITENESS INDEX</b>	-	ASTM E-313	60
<b>VICAT SOFTENING POINT</b>	°C	ASTM D-1525	115
<b>TENSILE STRESS AT YEILD</b>	MPA	ASTM D-638	15
<b>ELONGATION AT BREAK</b>	%	ASTM D-638	900
<b>ESCR (IGEPAL10% F50,50°C)</b>	HR	ASTM D-1693	200
<b>FLEXURAL MODULUS</b>	MPA	ISO178-197	650
<b>CHARPY IMPACT</b>	KJ/M2	ASTM D-6110	18

\*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)

\*\* HD3840UA 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 MD3840UA as well

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