

Technical Data Sheet

HDPE HD-3840UA

High Density Polyethylene

HD3840UA is high density polyethylene copolymer containing butene-1(C4) as comonomer.

It is suitable for use as rotational moulding applications.

HD3840UA has the following characteristics:

good impact strength, easy to demould, uv stabilised, good whiteness, excellent surface finish.

This grade has food contact approval.

Applications:

general purpose rotomoulded items, septic tanks, recycling tanks

Properties	Value	Units	Test Method
Melt Flow Rate (190 C/2,16kg)	4	g/ml	ASTM D1238
Density	0.938	g/cm3	ASTM D1505
Yellowness index	-1	--	ASTM E 313
Whiteness index	60	--	ASTM E 313
Contamination	5	NO.	BP 137
Vicat Softening Point	115	(°C)	ASTM D1525
Tensile stress at yeild	15	MPA	ASTM D 638
Elongation at break	900	%	ASTM D 638
ESCR(Igepal 10% F50,23°C)	350	HR	ASTM D 1693
Charpy Impact	18	(kJ/m2)	ASTM D 6110

*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)

**Rotomoulded Bucket-23 Liters-3mm Thickness-1.2Kg

Grade Suffix(Additives Indication):

UA:GENERAL ANTIOXIDANT AND LIGHT STABLISER

*** HD3840UA falls into the density range of MDPE.However, in order to observing the nomenclature procedure of PE plant licensor(INEOS),this grade is designated as HDPE; while it can be introduced as MD3840UA as well