

DATE: 2024-2025

Arena Code: AS10346/TPC-HD 3840UA

Producer and Supplier in the fields of Chemical ,Oil ,Gas and Petrochemical industries

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 rotomolded 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 -1 -1	Poo	ASTM E 313
Whiteness index	60	160	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

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



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about guaranteed items, please refer to S.S.S.(Standard Sales Specifications)

^{**}Rotomoulded Bucket-23 Liters-3mm Thickness-1.2Kg