



PRODUCT DATA SHEET

Polyethylene Copolymer Powder

CIC Plast is ready to design customized formulations for its customers' applications, supported by the CIC Plast R&D team's technical capability as well as its equipment. It is designed and manufactured according to the requirements of the customer's desired product and compatibility with the different polymer properties. CIC Plast rotational molding powders are widely used in the production of tanks, barrels and other hollow and bulky objects.

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 rotomolded items, septic tanks, recycling tanks .

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX (190 °C , 2.16 Kg)	g/10min	ASTM D -1238	4
DENSITY	gr/cm ³	ASTM D -1505	0.938
YELLOWNESS INDEX	-	ASTM E - 313	-1
WHITENESS INDEX	-	ASTM E - 313	60
CONTAMINATION	No.	BP - 137	5
VICAT SOFTENING POINT	°C	ASTM D - 1525	115
TENSILE STRESS AT YEILD	MPa	ASTM D - 638	15
ELONGATION AT BREAK	%	ASTM D - 638	900
ESCR(I G EPAL10 % F50, 23 C)	HR	ASTM D - 1693	350
CHARPY IMPACT	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) .