

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

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.

Application:

General Purpose Rotomolded Items, Septic Tanks, Recycling Banks

**ROTOMOULDED PRODUCT\*\***

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(2.16KG)	g/10min	ISO1133-1997, Condition D	4
DENSITY	gr/cm <sup>3</sup>	ISO1872/1-1993	0.938
TENSILE STRESS AT YEILD	MPA	-	18
ELONGATION AT BREAK	%	-	>1000
ESCR(F50,50°C)	HR	-	5
IMPACT RESISTANCE	J	-	10

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**MOULDING**

PROPERTY	UNIT	TEST METHOD	TYPICAL VALUE
MELT FLOW INDEX(2.16KG)	g/10min	ISO1133-1997,Condition D	4
DENSITY	gr/cm3	ISO1872/1-1993	0.938
TENSILE STRESS AT YEILD	MPA	ISO527-1976,Type 2 Speed D	19
ELONGATION AT BREAK	%	ISO527-1976,Type 2 Speed D	>1000
FLEXURAL MODULUS	MPA	ISO178-1997	650
CHARPY IMPACT	KJ/M2	ISO179-1982	10
HARDNESS	-	ISO868-1978,Type D	62
MELTING POINT	°C	ASTM D-2117	127
VICAT SOFTENING POINT	°C	ISO306 Method A	117
SPECIFIC HEAT	J/KG°C	-	2300