MD-3840UA MEDIUM DENSITY POLYETHYLENE

General Informations:

MD3840UA is a linear medium density polyethylene (MDPE) with butene copolymer. This polymer has narrow molecular weight distribution. MD3840UA is used as a rotational molding grade.This product has following characteristics:

- *Good impact strength
- *Excellent external and internal surface finish
- *Whiteness
- *Good stress cracking resistance
- *UV stabilized

Applications:

*Rotational moulded items with good stiffness
*Septic tanks
*Ordinary containers

Specifications:

Property	Unit	Value	Test Method
Melting point	^{o}C	131	ASTM D 2117
MFI (190^{o} C/ 2.16kg)	gr/10 Min.	4	ASTM D 1238 - 7
Density	gr/cm^{3}	0.938	ASTM D 1505 - 68
Vicat softening point	^{o}C	Min. 115	ASTM D 1525
Tensile strength @ yeild	MPa	Min. 15	ASTM D 638 - 72
Elongation @ break	%	Min. 900	ASTM D 638
Charpy impact strength	KJ/m^{2}	Min. 18	ASTM D 256
Flexural modulus	MPa	650	ASTM D 790
Hardness	Shore D	65	ASTM D 2240
Thermal conductivity	W/m^{2}	0.48	ASTM D 177
C.O.L.E	^{o}C	$2x10^{-4}$	ASTM D 696-91
ESCR (F50 , $23^{o}C$)	hr	400	ASTM D 1693

The above data are typical laboratory average . They are intended to serve as guides only.

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Storage:

MD3840UA should be stored in dry and dust free environment at temperature below 50 °C. Exposure to direct sun light should be avoided as this may lead to product deterioration.

Recycling & Environment :

End products made from this polymer can be recycled , incinerated or disposed of in landfill without detriment to the environment.With recycling , clean waste can be re-used for many less demanded applications.

Alternatively , with properly controlled and efficient incineration , preferably linked to heat or other energy recovery system, polyethylene's high calorific value will assist the combustion of municipal solid waste .

In landfill sites MD3840UA does not degrade to produce voids , and does not emit dangerous gases or contribute to ground water pollution .

If pigments or other additives are incorporated into this product at the processing stage, the above statements may not be fully valid .

Food Contact: