

## 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	°C	131	ASTM D 2117
MFI (190° C/ 2.16kg )	gr/10 Min.	4	ASTM D 1238 - 7
Density	gr/cm <sup>3</sup>	0.938	ASTM D 1505 - 68
Vicat softening point	°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 <sup>2</sup>	Min. 18	ASTM D 256
Flexural modulus	MPa	650	ASTM D 790
Hardness	Shore D	65	ASTM D 2240
Thermal conductivity	W/m <sup>2</sup>	0.48	ASTM D 177
C.O.L.E	°C	2x10 <sup>-4</sup>	ASTM D 696-91
ESCR (F50 , 23°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:

**The composition of products complies with the EC Directive 90/128/EEC for use in food contact applications.**  
**Packaging: This product is packed in 25 Kg PE bags.**