

**NAME: MD-3840UA**

**Product Description:**

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

**Application:**

- Rotational molded items with good stiffness
- Septic tanks
- Ordinary containers

**Typical data: (Table)**

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	2x10-4	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.

**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.

