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|------|-------|-------------|------|----|-----|------|------|-----|-----|-----|-----|-----|----|------|
| LDPE | LLDPE | MDPE | HDPE | PP | PVC | GPPS | HIPS | EPS | PET | ABS | SBR | PBR | PC | E.P. |
|------|-------|-------------|------|----|-----|------|------|-----|-----|-----|-----|-----|----|------|

MD-3840UA

MEDIUM DENSITY POLYETHYLENE

General Informations:

MD3840UA is a linear medium density polyethylene (MDPE) copolymer grade with a 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 ³ | 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 ² | Min. 8 | 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 | °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.



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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.