



## Description

Revolve N-307 is a rotational moulding polyethylene hexene (C6) grade. It has been designed to provide an outstanding balance of properties such as stiffness, impact strength, mouldability, ESCR and creep. The grade carries a series of international approvals and certifications and complies with many international standards within the tank industry.



## Features and Benefits

- Good stiffness
- DiBt approval
- Excellent impact strength
- TÜV approved resin
- UV10 stabilised

- Available as,
- Natural pellets & powder
  - Black pellets & powder
  - Coloured powder

- Typical applications,
- Water tanks
  - Diesel tanks
  - Heating oil tanks



## Physical Properties

| PHYSICAL PROPERTIES**                   | TEST METHOD    | VALUE | UNITS             |
|---|----------------|-------|-------------------|
| MFI                                     | ISO 1133       | 3.5   | g/10min           |
| Density                                 | ISO 1183       | 0.939 | g/cm <sup>3</sup> |
| Tensile strength @ Yield<br>(50 mm/min) | ISO 527        | 17.7  | MPa               |
| Flexural Modulus<br>(1.3 mm/min)        | ISO 178        | 790   | MPa               |
| HDT at 1.8 MPa                          | ISO 75-2       | 50    | °C                |
| ESCR at 100% Igepal                     | ASTM D1693     | >1000 | hr                |
| ESCR at 10% Igepal                      | ASTM D1693     | 400   | hr                |
| ARM Impact<br>(-40°C, 3 mm thickness)   | ARM-I Standard | 108   | J                 |

This information is to the best of our knowledge accurate. However, the circumstances and conditions in which it may be used are beyond our control and we do not accept liability for any loss or damage that may occur nor do we offer any warranty of immunity against patent infringement. The values indicated in the tables only describe typical properties. They do not constitute specification limits.