



Description

Revolve N-307 is a rotational moulding polyethylene hexane (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	UNIT
MFI	ISO 1133	3.5	g/10min
Density	ISO 1183	0.939	g/cm ³
Tensile strength @ Yield (50 mm/min)	ISO 527	18.0	MPa
Flexural Modulus (1.3 mm/min)	ISO 178	790	MPa
HDT at 1.8 MPa	ISO 75-2	50	°C
HDT at 0.45 MPa	ISO 75-2	67	°C
Melting point	ISO 11357-3:2011	125	°C
Poisson's Ratio		0.41	
ESCR at 100% Igepal	ASTM D1693	>1000	hr
ESCR at 10% Igepal	ASTM D1693	400	hr
Charpy Impact	ISO 179	8.433	KJ/m ²
ARM Impact(-40°C, 3 mm thickness)	ARM-I Standard	101	J

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