



Description

Revolve PA HIU is a rotational moulding polyamide 6 (PA6) designed to meet demanding requirements such as chemical resistance and low permeation to hydrocarbons (e.g. petrol). The grade exhibits very high stiffness, good impact strength, low moisture absorption, high temperature and good mouldability.



Features and Benefits

- High stiffness and hardness
- Good mouldability
- Good impact strength
- Low permeability to hydrocarbons
- Suitable for constant use up to 150°C
- UV 8 stabilised

Available as,

- Pre-dried natural powder

Typical applications:

- Fuel tanks
- Chemical tanks
- Hydraulic tanks



Physical Properties

PHYSICAL PROPERTIES

MFI
Density
Tensile strength @ Yield
(50 mm/min)
Elongation at Break
Flexural Modulus
(1.3 mm/min)
HDT at 0.45 MPa
HDT at 1.8 MPa
Vicat (50 N)
ARM Impact
(23°C, 3 mm thickness)

TEST METHOD

ISO 1133
ISO 1183
ISO 527

ISO 527
ISO 178

ISO 75-2
ISO 75-3
ISO 306
ARM-I Standard

VALUE

N/A
1.110
50

35
1800

160
65
190
75

UNIT

g/10min
g/cm³
MPa

%
MPa

°C
°C
°C
J

*Test specimens prepared by rotational moulding

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.