

## Description

TPSeal® M4741UV is a new generation metallocene High Density Polyethylene (mHDPE) with hexene as comonomer.

TPSeal® M4741UV is intended for the manufacture of rotomoulded items and available in natural, in pellets or in powder.

## Main Characteristics

Its specific molecular structure ensures:

- ✓ Superior mechanical properties
- ✓ Improved dimensional stability
- ✓ Easy processing
- ✓ Outstanding ESCR
- ✓ UV protected

## Application

Suitable for the production of tanks, underground tanks, kayaks, technical parts.

## Properties

Property	Method	Unit	Typical value (*)
Density (**)	ISO 1183	g/cm <sup>3</sup>	<b>0.947</b>
Melt Flow Rate (190°C-2.16kg)	ISO 1133/D	g/10min	<b>3.8</b>
Melting Temperature	ISO 11357	°C	<b>128</b>
Vicat Softening Point (Method A50)	ISO 306	°C	<b>120</b>
Heat Deflection Temperature (Method B)	ISO 75	°C	<b>70</b>
Tensile modulus	ISO 527	MPa	<b>970</b>
Tensile strength @yield	ISO 527	MPa	<b>23</b>
ESCR (10% Igepal)	ASTM D1693	h (F50)	<b>&gt; 1000</b>

(\*) Data not intended for specification purposes

(\*\*) Based on natural resin

## Processing conditions

It is recommended to keep product dry prior use for production.