



**TotalEnergies**

Refining & Chemicals  
Polymers

**TP-SEAL® M4833 UV Black**

Technical data sheet – Issue 1  
Polyethylene  
Produced in Europe

## Description

TPSeal® M4833 UV Black is a new generation High Density Polyethylene with hexene as comonomer. TPSeal® M4833 UV Black is intended for the manufacture of rotomolded items and is available in black powder.

Its specific molecular structure ensures:

- ✓ Superior mechanical properties
- ✓ Improved dimensional stability
- ✓ Easy processing
- ✓ UV protected
- ✓ Very Low Creep behavior
- ✓ Very high impact properties

Suitable to produce tanks, underground tanks, technical parts, diesel Fuel tanks.

## Characteristics

	<b>Method</b>	<b>Unit</b>	<b>Typical Value</b>
<b>Rheological properties</b>			
Melt Flow Index 190°C/2.16 kg	ISO 1133-1	g/10 min	3.5
<b>Mechanical properties</b>			
Tensile Modulus – True Stress /True Strain Rotomolded Sample	Internal method	MPa	1140
<b>Thermal properties</b>			
Melting Temperature	internal method	°C	129
Heat Deflection Temperature 0,45 MPa - 120°C per hour	ISO 75-2	°C	66
Bell ESCR (10% Igepal)	ASTM D 1693	F50 in hours	300
FNCT (10% Caflon NP9)	ISO 16770 at 50°C 3,0 MPa	hours	770
<b>Other physical properties</b>			
Density (of the natural material)	ISO 1183	g/cm³	0,948

## Handling and storage

Please refer to the safety data sheet (SDS) for handling and storage information.

It is advisable to convert the product within one year after delivery, provided storage conditions are used as given in the SDS of our product. SDS may be obtained from your technical service contact on request.

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