

## Description

TPSeal® M4743 UV Black is a new generation High Density Metallocene Based Polyethylene with hexene as comonomer. TPSeal® M4743 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
- ✓ Outstanding ESCR
- ✓ UV protected

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

## Characteristics

	Method	Unit	Typical Value
<b>Rheological properties</b>			
Melt Flow Index 190°C/2.16 kg	ISO 1133-1	g/10 min	4,0
<b>Mechanical properties</b>			
Tensile Modulus – True Stress / True Strain Rotomolded sample	Internal method	MPa	1025
<b>Thermal properties</b>			
Melting Temperature	internal method	°C	128
Heat Deflection Temperature 0,45 MPa - 120°C per hour	ISO 75-2	°C	70
Vicat Softening point A50 (10N, 50°C/h)	ISO 306	°C	120
Bell ESCR (10% Igepal)	ASTM D 1693	F50 in hours	> 1000
FNCT (10% Caflon NP9)	ISO 16770 at 50°C 3,0 MPa	hours	700
<b>Other physical properties</b>			
Density (of the natural material)	ISO 1183	g/cm <sup>3</sup>	0,947

## 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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