



TotalEnergies

Refining & Chemicals
Polymers

TPSeal® 5151(3) UV Natural

Provisional Technical data sheet – Issue 3
Polyethylene
Produced in Europe

Description

TPSeal® 5151 UV Natural is a new generation High Density Metallocene Based Polyethylene with hexene as comonomer.

TPSeal® 5151 UV Natural is intended for the manufacture of rotomolded items and available in pellet form (TPSeal® 5151 UV Natural) or natural powder (TPSeal® 5153 UV Natural). Color Matching is possible.

Its specific molecular structure ensures:

- ✓ Superior mechanical properties
- ✓ Good ESCR
- ✓ UV protected
- ✓ Applications: boats, kayaks, technical parts, Double wall parts.

Characteristics

	Method	Unit	Typical Value
Rheological properties			
Melt Flow Index 190°C/2,16 kg	ISO 1133-1	g/10 min	5,1
Mechanical properties			
Tensile Modulus – True Stress/True Strain at 10^{-3} s $^{-1}$ at 23°C (rotomolded sample)	Internal Method	MPa	1400
Other Physical properties			
Bell ESCR (10% Igepal)	ASTM D1693	F50 in Hours	200
Density	ISO 1183	g./cm 3	0,951

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

Polyethylene

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