

Description

TPSeal® M3670 is a new generation metallocene Medium Density Polyethylene (mMDPE) with hexene as comonomer.

TPSeal® M3670 is intended for the manufacture of rotomoulded items and available in black, in pellets or in powder.

It is also available under a natural colour (TPSeal® M3671).

Main Characteristics

Its specific molecular structure ensures:

- ✓ Efficient binding with fuel barrier product such as Polyamide
- ✓ Excellent foaming properties

Application

Suitable for monolayer and multi-layer with foam technology.

Fuel tank production, with very low permeability. Structural parts. Water sports application.

Properties

Property	Method	Unit	Typical value (*)
Density (**)	ISO 1183	<i>g/cm³</i>	0.941
Melt Flow Rate (190°C-2.16kg)	ISO 1133/D	<i>g/10min</i>	3.5
Melting Temperature	ISO 11357	°C	126
Tensile modulus	ISO 527	<i>MPa</i>	650
Tensile strength @yield	ISO 527	<i>MPa</i>	18

(*) Data not intended for specification purposes

(**) Based on natural resin

Processing conditions

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