

Description

TPSeal® M2731UV is a Linear Low Density Polyethylene (mLLDPE) with hexene as comonomer.

TPSeal® M2731UV is intended for the manufacture of rotomoulded items and available in natural or in colour, in pellets or in powder.

Main Characteristics

Its specific molecular structure ensures:

- ✓ Excellent impact properties
- ✓ Good dimensional stability
- ✓ Outstanding ESCR
- ✓ UV protected

Application

Designed for the production of technical part with a complex shape and esthetical requirements

Properties

Property	Method	Unit	Typical value (*)
Density (**)	ISO 1183	g/cm ³	0.927
Melt Flow Rate (190°C-2.16kg)	ISO 1133/D	g/10min	3.5
Melting Temperature	ISO 11357	°C	117
Vicat Softening Point (Method A50)	ISO 306	°C	112
Heat Deflection Temperature (Method B)	ISO 75	°C	60
Tensile modulus	ISO 527	MPa	400
Tensile strength @yield	ISO 527	MPa	14
ESCR (10% Igepal)	ASTM D1693	h (F50)	> 1000

(*) Data not intended for specification purposes

(**) Based on natural resin

Processing conditions

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