

Description

TPSeal® PE FR02 is an intumescent halogen-free flame-retardant Specialty Compound and is based on metallocene Polyethylene (PE).

TPSeal® PE FR02 is intended for the manufacture of rotomoulded items and available in natural white, in pellets or in powder.

Main Characteristics

- ✓ Suitable for multi-layer application.
- ✓ Flame-retardant properties thanks to halogen-free technology.

Application

Structural parts, design (furniture), building parts, ...

Properties

Property	Method	Unit	Typical value (*)
Melt Flow Rate (190°C-2.16kg)	ISO 1133/D	g/10min	2
Melting Temperature	ISO 11357	°C	120
UL94-V	NF EN 60695	-	V0 @3mm
Glow Wire Flammability Index	IEC 695-2-1	°C	850
Heat Release MARHE (1)	ISO 5660-1	kW/m ²	105
Smoke Opacity Ds(4) (2)	ISO 5659-2	-	76
Smoke Opacity VOF4 (2)	ISO 5659-2	-	152
Smoke Toxicity CITg 4minutes (2)	ISO 5659-2	-	0.02
Smoke Toxicity CITg 8minutes (2)	ISO 5659-2	-	0.21
Vertical Critical Flux at Extinguishment	ISO 5658-2	kW/m ²	10

(*) Data not intended for specification purposes

(1) Thickness 5mm, Heat Flux 50kW/m²

(2) Thickness 5mm, Heat Flux 25kW/m²

Processing conditions

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