TPF industrie
POLYURETHANE

TECHNICAL DATASHEET

DESCRIPTION

TPF i10

TPF i10 is a bicomponent polyurethane system (formulated polyol and isocyanate) destinated to soft opened cells cast in place polyurethane foam for industrial use.

PHYSICAL PROPERTIES OF FORMULATED POLYOL

CHARACTERISTICS	UNITS	TPF i10
Aspect	N/A	Clear yellow liquid
Density	g/cm^3	1,07 - 1,09
Viscosity at 23°C	mPa.s	< 400

IMPLEMENTATION RECOMMANDATIONS

- The mix must be done at 23°C, following this ratio:

TPF i10 100 parts in weight TPF pMDI 2020 106 parts in weight

SYSTEM REACTIVITY

- A foam formulated in the lab at 23°C, following this ratio will have the reactivity below:

CHARACTERISTIC TIME	UNITS	VALUE
Cream time	s	7 +/- 2
String time	s	50 +/- 5
Rise time	s	75 +/- 10
Free rise density	kg/m^3	9 +/- 2

FOAM SPECIFICATIONS

CHARACTERISTICS	UNITS	VALUES	NORMS
Applied density	kg/m^3	8 +/- 2	EN 1602
Open cells	%	> 90	ISO 4590
Aged thermal conductivity	W/m.K	0,033 - 0,037	EN 12667 - EN 12939
Fire reaction	Euroclass	F	EN 13501-1
Compressive strength 10%	kPa	NA	EN 826
Dimensional stability	-	NA	EN 1604
Water absorption (Wp)	kg/m^2	1,38	EN 1609 (B)
Water vapour resistance factor (μ)	-	< 4,6	EN 12086 (A)

PACKAGING AND STORAGE

- We recommend to stock TPF i10 at 20°C in a dry and ventilated place.
- In those conditions, the product can be used under 3 months.
- The system is sold in drums, IBCs and bulk.

RECOMMENDATIONS

- Refer to the MSDS.

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