m a p - tecnica (p.t.f.e. products and engineering polymers)

Material Specification (typical properties) | Rev. date : 08 / 2016 - Ed. 1

Product : **Marlòn - FR** | Type : PTFE based material , filled Glass Fibres with Inorganic Salts

PROPERTIES	UNITS	RANGES	METHODS
Specific Gravity	g / cm^3	2 , 2 7 + / - 0, 0 2	ASTM - D 792
Colour		maroon	Visual
Water Absorption	%	< 0 , 0 1	ASTM - D 570
Tensile Strength	MPa	> 1 8 , 0	ASTM - D 4894
Ultimate Elongation (@ break)	%	> 1 7 0 , 0	ASTM - D 4894
Hardness	Shore , D	> 6 3 , 0	ASTM - D 2240
Compressive Strength under load , 1% deformation @ RT	MPa	8 , 0 - 9 , 0	ASTM - D 621
Deformation under load			
105 kg / cm^2 x 24 hr (@ RT)	%	2 , 9 - 3 , 0	ASTM - D 621
140 kg / cm^2 x 24 hr (@ RT)	%	7 , 0 - 8 , 0	ASTM - D 621
Coefficient of linear thermal expansion (range T = 25 - 100 °C)	10^{-5} / °C	6 , 3 - 1 0 , 0	ASTM - D 696
Operating Temp. (Limited to load)	°C	- 2 0 0 / + 2 8 0	
Volume resistivity	Ohm * cm	> $1 0^{15}$	ASTM - D 257
Surface resistivity (U.R. 100%)	Ohm	2 , 0 x $1 0^{13}$	ASTM - D 257

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Notes : Where not otherwise specified , all test values registered at room temperature (RT = 20 - 23 °C)

Above data represent an average of values obtained from samples in laboratory tests. Must be used as a guide only at your risk and discretion. For specific applications , please contact our Technical Department .

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