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

Material Specification (typical properties) | Rev. date : 30 - 10 - 2014

Product : **Marlòn - B 60** | Type : PTFE , filled Bronze powder (not oxidizing)

PROPERTIES	UNITS	RANGES	METHODS
Specific Gravity	g / cm^3	3 , 9 6 + / - 0, 0 2	ASTM - D 792
Colour		gilded	Visual
Water Absorption	%	0 , 0 0	ASTM - D 570
Tensile Strength	Mpa	2 0 , 0 - 2 4 , 0	ASTM - D 4894
Ultimate Elongation (@ break)	%	1 5 0 - 1 6 0	ASTM - D 4894
Hardness	Shore , D	6 5 - 7 0	ASTM - D 2240
Permanent deformation (after 24 hrs. Relaxation at RT)	%	1 , 5 0 - 2 , 3 0	ASTM - D 621
Compression strength with a **1%** deformation @ RT	Mpa	5 , 0 - 6 , 0	ASTM - D 695
Deformation under load (**140** kg / cm^2 x 24 hrs. @ RT)	%	5 , 5 - 6 , 5	ASTM - D 621
Coefficient of linear thermal expansion (T = 25 - 100 °C)	1 0 $^{-5 / °C}$	8 , 0 0 - 8 , 5 0	
Operating Temperature	(Limited to load)	°C - 2 0 0 / + 2 7 0	(Short time) °C + 3 0 0
Volume resistivity	Ohm * cm	1 0 ^{7}	ASTM - D 257

Notes : Where not otherwise specified , all test values registered at room temperature (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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