Bronze reinforced PTFE sheet, wedge and tubes

Chemical designation
PTFE (polytetrafluoroethylene)
+ %40 bronze reinforced

Colour
Bronz

Density
3,15 g/cm³

Feautures
» good wear resistance
» good creep strenght
» less thermal expansion
» less deformation under load
» low frictional coefficient

Applications
» general applications
» textile applications
» industrial applications
» aerospace applications
» customary applications

Mechanical Properties	*Units*	*Values*	*Test Methods*
Tensile strenght	kg/cm²	240-260	ASTM D-1708
Tensile strain	%	300-360	ASTM D-1708
Impact resistance	kj/m²	12	ASTM D-256
Deformation under load	%	5,5-6	ASTM D-621

Thermal Properties	*Units*	*Values*	*Test Methods*
Thermal conductivity	kcal/cm.C.hr	0,07	ASTM C-177
Thermal expansion	10^{-5}/°C	9-11	ASTM E-831
Ignition temperature	°C	630	ASTM D-1929

Electrical properties	*Units*	*Values*	*Test Methods*
Dielectric resistance	kV/mm	very high to measure	ASTM D-149

Other properties	*Units*	*Values*	*Test Methods*
Hardness	Shore D	60-67	ASTM D-2240
Wear resistance	$cm^3.min/kg.ms^{-8}$	15-20	-

[1] Mechanical and other properties are the most part derived from raw material supplier data and other publications

** Specified values are average values of tests processed in Polimersan laboratories. These are for information and not product guarantee values.

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