

ID Material: R. Antich Revision: 5 Date: 3/25/16

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TF1200G

TF1200 is a ProTec Friction standard formulation offering an extra high friction level. It is a rigid material, with low wear and very stable friction performance.

The material's main composition consists of phenol resins with a NBR bonding system, short fibers, friction modifiers and fillers. TF1200G is fully cured and suitable for bonding and riveting.

vial Dat Mate

Material Data			
Friction Properties			Material Type
Static Friction Coefficient (15bar, from box):	0.55 ± 0.05	μ	Appearance /
Static Friction Coefficient (15bar, 100oC):	0.55 ± 0.05	μ	
Dynamic Friction Coefficient (10bar, 10m/s):	0.55 ± 0.05	μ	
Wear Rate (10bar, 15m/s):	90 ± 10	mm³/Kwh	
To Fading (10bar, 10m/s):	>660°	°F	
Physical Properties			Applications
Hardness (DIN53505):	88±5	Shore-D	Industrial clute
Specific Gravity (ASTM D792-91):	1.8±0.05	gr/cm ³	Brakes
Ignition Loss (ASTM D-2524):	0.40 ± 2	%	
Acetone Extraction (ISO 2859-1):	0.15 ± 0.02	%	Price Level :
Mechanical Properties			Reach (EC) 190
Tensile Strength (ASTM D638-10):	15 ± 5	N/mm2	Other
Compressive Strength (UNE 53205):	175 ± 5	N/mm2	Recommended
Recommended Working Values			Recommended
T° Max. Continuous Operation:	570	°F	
T° Max. Intermittent Operation:	750	°F	Oil Resistant:

: Rigid material Formats



ches - Ring segments - Torque Limitor - Standing Press

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Reach (EC) 1907/2006 - RoHS 2011/65/EU :	Compliance
Other	
Recommended Mating Surface:	Perlitic cast iron, hardness HB150-200
Recommended Adhesives:	Thermosetting adhesive
Oil Resistant:	Yes

The above data is taken from specific test parameters. Results can vary in different application conditions.



Rubbing speed, temperature and pressure are related. Changing any values will change other. The values shown represent typical conditions, but are not ultimate limits of the material

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