



24 - 28 Chemin du Pontet  
69380 CIVRIEUX D'AZERGUES  
France

Tel : +33 (0)478431275  
Fax : +33 (0)478437135

[www.all-tec.net](http://www.all-tec.net)  
[www.all-tec-business.net](http://www.all-tec-business.net)

DATASHEET COMPOSITE GUIDE RINGS						
Physical attributes	Units	Norms	10E/GTP	10E/GTP1	10E/GTN	10E/GTP-HT
Material			Phenolic resin cotton fabric	Phenolic resin synthetic fabric	Polyester resin polyester fabric	Phenolic resin aramid fabric
Lubricant			<i>NO</i>	<i>PTFE</i>	<i>PTFE</i>	<i>Graphite/ MoS2</i>
Color			Light brown	Light brown	Turquoise	Black
Compressive strength vertical	MPa	ISO 604	290	320	355	380
Flexural strength	MPa	ISO 178	130	115	120	175
Tensile strength	MPa	ISO 527	40	50	65	80
Rockwell hardness	HRM	ASTM D-229	105	97	95	105
Coefficient of friction		ASTM D 1894	0,22	0,05 - 0,08	0,05 - 0,12	0,08 - 0,14
Density	g/cm <sup>3</sup>	DIN 53476	1,25 - 1,3	1,15 - 1,22	1,20 - 1,25	1,20 - 1,25
Water absorption	%	ISO 62:2008	1 - 1,5	0,12	0,06	0,08
Temperature range	°C		-40 to 130	-40 to 130	-40 to 130	-40 to 200