RHONDAMA LIMITED PTFE D05 GLASS

PTFE D05 Glass Hardness 62° Shore D Turquouise

Composition % weight ± 1:

15% Clean milled glass fibres + 1% pigments + 84% virgin PTFE

Mechanical, physical and thermal properties

Properties	Condition	Standard	Unit			
Colour				Torquoise		Turquoise
Density/specific gravity	23°C	DIN 53479	Kg/m^3	2210	g/cm^3	2,21
Hardness	23°C	ISO 868	Shore D	62±3	Shore D	62±3
Ball indentation hardness	23°C	DIN 53456 H135/30	MPa	≥25	Psi	≥3625
Tensile strength	23°C	ASTM D 4745-79	MPa	≥26	Psi	≥3770
Elongation at break	23°C	ASTM D 4745-79	%	≥300	%	≥300
Compressive strength	23°C	DIN 53455	MPa	≥8	Psi	≥1160
Thermal conductivity	23°C	DIN 52612	$\frac{J \times 10^3}{m \times h \times K}$	1,1	$\frac{J \times 10^3}{m \times h \times K}$	1,1
Coefficient of thermal expansion	25°C-200°C		$K^{-1} \times 10^{-5}$	10	$K^{-1} \times 10^{-5}$	10
Coefficient of friction	*		μ	0,13	μ	0,13
Minimum service temperature			°C	-200	°F	-328
Maximum service temperature			°C	260	°F	500
Young's modulus		DIN 53457	MPa		Psi	
* dynamic coefficient of friction, dry, steel 16MnCr5: v=0,6 m/s; p=0,05 MPa; t=5h						

Chemical Properties

Filled PTFE

Resistant to: almost all chemicals

Not resistant to: halogenides, elemental fluorine, CF3, molten alkali metals

Detailed information concerning chemical resistance see Rhondama Compatibility Chart