TECHNICAL DATA SHEET

15 Glass Typical Properties - Physical Forms

Composition by Weight % and Filler Description

85% Virgin PTFE
15% ± 1% E Glass Fiber

MECHANICAL PROPERTIES	TEST METHOD	UNITS	GRADE - LF	GRADE - HDFF	GRADE - E
Specific Gravity	ASTM D 4745	~	2.20 ± 0.05	2.20 ± 0.05	2.20 ± 0.05
Tensile Strength*	ASTM D 4745	Mpa	25	17	17
Elongation*	ASTM D 4745	%	250	200	200
Bulk Density	ASTM D 4745	g/l	-	600 - 800	625 Min
Hardness	ASTM D 2240	Shore D	60 +/- 5	60 +/- 5	60 +/- 5
Diametric Shrinkage	ASTM D 4745	%	2.0 ± 0.5	2.0 ± 0.5	2.0 ± 0.5
Flow	Poly-Smith	Sec/50 g	-	3	5
Average Particle Size	Poly-Smith	µm	-	600 - 900	600 - 900

* cross direction

Recommended Molding Pressure	30 - 35 Mpa
Max Sintering Temperature	370 ºC

General Application:

Recommended for valve seats, gaskets, seals and components requiring resistance to creep and chemical attack. Suitable as a bearing material for low PV values. At high loads and speeds the wear increases and there is a risk of scoring shafts.

Safety

This product is a fluoropolymer so normal precautions should be followed.