



TECHNICAL DATA SHEET

25 Glass - Physical Forms

Composition by Weight % and Filler Description

75% Virgin PTFE

25% ± 1% E Glass Fiber

MECHANICAL PROPERTIES	TEST METHOD	UNITS	GRADE - LF	GRADE - HDFS	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	18	17	18
Elongation*	ASTM D 4745	%	200	150	200
Bulk Density	ASTM D 4745	g/l	~	750+	625
Hardness	ASTM D2240	Shore D	60 ± 5	60 ± 5	60 ± 5
Diametric Shrinkage	ASTM D4745	%	1.6 +/- .5	1.6 +/- .5	1.6 +/- .5
Flow	Poly-Smith	Sec/50 g	-	3	3
Average Particle Size	Poly-Smith	µm	-	600 - 1000	400 -700

\* cross direction

Recommended Molding Pressure	35 - 40 Mpa
Max Sintering Temperature	370 °C

General Application:

This grade offers a good wear and chemical resistance. For bearing applications, it is considered to have optimum glass content and is recommended where contact with hydrochloric acid is involved.

Safety

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

DISCLAIMER: the information in this Safety Data Sheet is believed to be correct as of the date issued. No warranties, expressed or implied, including but not limited to, any implied warranty or merchantability or fitness for a particular purpose or course of performance or usage of trade.