



TECHNICAL DATA SHEET

25 Glass Billet Grade - Low Flow

Composition by Weight % and Filler Description

75% Virgin PTFE
25% +/- 2% E Glass Fiber

| PROPERTIES | TEST METHOD | UNITS | GRADE LF |
|-------------------|-------------|---------|-------------|
| Specific Gravity | ASTM D 4745 | ~ | 2.20 ± 0.05 |
| Tensile Strength* | ASTM D 4745 | Mpa | 18 |
| Elongation* | ASTM D 4745 | % | 200 |
| Filler Content | Poly-Smith | % | 25 ± 2 |
| Hardness | ASTM D 2240 | Shore D | 55 - 65 |
| Shrinkage | ASTM D 4745 | % | 1.6 ± 1.0 |

* cross direction

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

Specific Application:

This compound is for Big or Small Billets

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.

Technical Information

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