

## Solvay Specialty Polymers Algorlon® 25GL PTFE; Glass Fiber Filled (discontinued \*\*)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Glass Filled, Molded

### Material Notes:

Data provided by the manufacturer. 25 wt.% Glass Fiber. Suspension polymer powder grade recommended for compression molding. Pure PTFE possesses high inertness, excellent dielectric properties, almost no moisture absorption, low friction coefficient, and is nonflammable.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Solvay-Specialty-Polymers-Algorlon-25GL-PTFE-Glass-Fiber-Filled-nbspdiscontinued-.php](http://www.lookpolymers.com/polymer_Solvay-Specialty-Polymers-Algorlon-25GL-PTFE-Glass-Fiber-Filled-nbspdiscontinued-.php)

Physical Properties	Metric	English	Comments
Density	2.24 g/cc	0.0809 lb/in <sup>3</sup>	ASTM D792
Apparent Bulk Density	0.510 g/cc	0.0184 lb/in <sup>3</sup>	ASTM D4894
Linear Mold Shrinkage	0.016 cm/cm	0.016 in/in	Radial shrinkage of 10 cm o.d. sintered rod at 23°C

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	
Tensile Strength, Ultimate	20.0 MPa	2900 psi	ASTM D638
Elongation at Break	220 %	220 %	ASTM D638
Coefficient of Friction, Dynamic	0.060	0.060	ASTM D1894
Coefficient of Friction, Static	0.080	0.080	ASTM D1894

Thermal Properties	Metric	English	Comments
CTE, linear, Parallel to Flow	150 µm/m-°C @Temperature 23.0 - 250 °C	83.3 µin/in-°F @Temperature 73.4 - 482 °F	ASTM D696
Thermal Conductivity	0.410 W/m-K	2.85 BTU-in/hr-ft <sup>2</sup> -°F	ASTM C177
Maximum Service Temperature, Air	260 °C	500 °F	Continuous Service

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1.00e+15 ohm-cm	1.00e+15 ohm-cm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China