

Solvay Specialty Polymers Algoflon® 35CAR PTFE; Petroleum Coke and Graphite (discontinued **)

Category : Polymer , Thermoplastic , Fluoropolymer , PTFE , Polytetrafluoroethylene (PTFE), Conductive Carbon Filled

Material Notes:

Data provided by the manufacturer. 35 wt.% Petroleum Coke and Graphite. 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-Algoflon-35CAR-PTFE-Petroleum-Coke-and-Graphite-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	2.09 g/cc	0.0755 lb/in ³	ASTM D792
Apparent Bulk Density	0.410 g/cc	0.0148 lb/in ³	ASTM D4894
Linear Mold Shrinkage	0.020 cm/cm	0.020 in/in	Radial shrinkage of 10 cm o.d. sintered rod at 23°C

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	65	65	
Tensile Strength, Ultimate	17.0 MPa	2470 psi	ASTM D638
Elongation at Break	30 %	30 %	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	130 µm/m-°C	72.2 µin/in-°F	ASTM D696
	@Temperature 23.0 - 250 °C	@Temperature 73.4 - 482 °F	
Thermal Conductivity	0.620 W/m-K	4.30 BTU-in/hr-ft ² -°F	ASTM C177
Maximum Service Temperature, Air	260 °C	500 °F	Continuous Service

Electrical Properties	Metric	English	Comments
Electrical Resistivity	1000 ohm-cm	1000 ohm-cm	ASTM D257

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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