POLYFLON™ F-207

Polytetrafluoroethylene

DAIKIN AMERICA, INC.

Message:

Daikin PTFE (polytetrafluoroethylene) fine powders are soft, white polymers that are produced from PTFE aqueous dispersions. These fine powders possess the lowest coefficient of friction, the highest heat resistance, chemical resistance, electrical properties, and non-sticking properties of all fluoropolymers.
Daikin PTFE fine powders readily adsorb organic solvents resulting in the formation of a paste that can be easily extruded into thin, flexible sections.

General Information			
Features	Low Temperature Resistant		
Uses	Tubing Wire & Cable Applications		
Appearance	White		
Forms	Powder		
Processing Method	Extrusion		
Physical	**Nominal Value**	**Unit**	**Test Method**
Apparent Density	0.45	g/cm³	ASTM D4895
Average Particle Size	500	µm	ASTM D4895
Reduction Ratio [1]	> 4000		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield)	> 19.6	MPa	ASTM D638
Tensile Elongation (Break)	> 350	%	JIS K6891
Thermal	**Nominal Value**	**Unit**	**Test Method**
Peak Melting Temperature	322 to 328	°C	ASTM D4895
Electrical	**Nominal Value**		
Dielectric Constant	2.08		
Dissipation Factor	1.7E-4		
NOTE			
1.	The reduction ratio refers to the cross-sectional area of the resin nside the cylinder of the extruder (S1) and the cross-sectional area of the resin in the die land (S2), R. R. =S1/S2		

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

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