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			
	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.		
1.	the resin in the die land (S2), R. R. =\$1/\$2		

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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

