3M™ Dyneon™ Fluoroplastic PFA 6503PAZ

Perfluoroalkoxy

3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroplastic PFA 6503PAZ is a fluorothermoplastic powder for electrostatic powder coating applications, and is designed for thin film applications where target film thickness is 25 - 40 µm per pass and up to 200 µ total film thickness. Typical application include non-stick surfaces, anti friction coatings as well as chemical protection coatings.
Features
Excellent Electrostatics
Excellent non-stick performance
Outstanding flow and fluidization
Good stress crack resistance
Smooth surfaces
Good transparency
Low friction
Non-wetting
Heat resistance to 260 °C
High dielectric strength
Cryogenic stability
Chemical resistance
Process targets: powder coating

General Information			
Features	Good Chemical Resistance		
	Good Electrical Properties		
	Good Flow		
	High Clarity		
	Low Friction		
	Non-Stick		
	Non-Wetting		
Uses	Coating Applications		
Forms	Powder		
Processing Method	Coating		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	2.15	g/cm³	ASTM D792
Apparent Density	0.80	g/cm³	DIN 53466
Melt Mass-Flow Rate (MFR) (372°C/5.0 kg)	3.0	g/10 min	ISO 1133
Particle Size	30.0	µm	
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	60		ASTM D2240
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	308	°C	ASTM D4591
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	> 95	%	ASTM D2863

Extrusion	Nominal Value	Unit
Melt Temperature	350 to 380	°C

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