3M™ Dyneon™ Fluoroplastic PFA 6502UHPZ

Perfluoroalkoxy

3M Advanced Materials Division

Message:

3M™ Dyneon™ Ultra High Purity PFA 6502UHPZ grades are a new series of ultra-high purity fluorothermoplastics. These resins were developed for high-purity applications requiring ultra-low levels of metal and other cation and anion extractions, such as in the semiconductor market. The 3M™ Dyneon PFA UHPZ family comprises grades that can be compression-molded, transfer-molded, extruded, injection-molded or blow-molded.
Features
Extremely low level of extractable trace elements
Extremely low levels of fluoride ions and other anions
Service temperature range up to 260 °C
Excellent, almost universal resistance to solvents and chemicals
UHP packaged to assure clean, contamination-free product

General Information	
Features	Good Chemical Resistance
	High Purity
	Low (to None) Ion Content
	Low Extractables
	Solvent Resistant
Uses	Semiconductor Molding Compounds
Forms	Pellets
Processing Method	Blow Molding
	Compression Molding
	Extrusion
	Injection Molding
	Resin Transfer Molding

Physical	Nominal Value	Unit	Test Method
Density	2.15	g/cm³	ISO 12086
Melt Mass-Flow Rate (MFR) (372°C/5.0 kg)	2.0	g/10 min	ISO 1133
Hardness	**Nominal Value**	**Unit**	**Test Method**
Durometer Hardness (Shore D)	60		ASTM D2240, ISO 868
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break, 23°C)	30.0	MPa	ISO 527-1
Tensile Strain (Break, 23°C)	330	%	ISO 527-1
Flexural Modulus	550	MPa	ASTM D790
Thermal	**Nominal Value**	**Unit**	**Test Method**
Melting Temperature	308	°C	ISO 12086
Flammability	**Nominal Value**	**Unit**	**Test Method**
Oxygen Index	> 95	%	ASTM D2863
Injection	**Nominal Value**	**Unit**	

Processing (Melt) Temp	< 400	°C

Extrusion	Nominal Value	Unit
Melt Temperature	< 400	°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