

# 3M™ Dyneon™ Fluoroplastic PFA 8502ESDZ

Perfluoroalkoxy  
3M Advanced Materials Division

Message:

3M™ Dyneon™ Fluoroplastic PFA 8502ESDZ is an electrostatic dissipative fluorothermoplastic compound consisting of a fully fluorinated PFA base polymer and an electroconductive carbon black. The product has specifically been developed for transfer molding.

- Features
- Electrostatic dissipative
  - Wide Service temperature range
  - Processing: Transfer molding

General Information			
Additive	Carbon Black		
Forms	Pellets		
Processing Method	Resin Transfer Molding		
Physical	Nominal Value	Unit	Test Method
Density	2.11	g/cm³	ISO 12086
Melt Mass-Flow Rate (MFR) (372°C/5.0 kg)	2.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 23°C)	30.0	MPa	ISO 527-1
Tensile Strain (Break, 23°C)	290	%	ISO 527-1
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	278	°C	ISO 12086
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	< 1.0E+4	ohms·cm	DIN IEC 93

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