

3M Dyneon™ ET 6210AZ Fluoroplastic Agglomerate

Category : Polymer , Thermoplastic , Fluoropolymer

Material Notes:

3M™ Dyneon™ Fluoroplastic Agglomerate ET 6210AZ is a melt processable fluoroplastic consisting mainly of alternating tetrafluoroethylene and ethylene monomer units (ETFE). This partially crystalline fluorothermoplastic offers a valuable combination of properties. This agglomerate form can also be used for compounding. Features and Benefits: Wide service temperature range –200° to +150°C Low flammability Excellent electrical and mechanical properties Very good resistance to solvents and chemicals High resistance to outdoor weathering High light transmission in the visible and UV ranges Non-stick characteristics Excellent tear resistance Low permeability Good resistance to radiation Information provided by the Dyneon division of 3M.

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-ET-6210AZ-Fluoroplastic-Agglomerate.php

Physical Properties	Metric	English	Comments
Specific Gravity	1.73 g/cc	1.73 g/cc	ASTM D792
Melt Flow	9.0 g/10 min @Load 5.00 kg, Temperature 297 °C	9.0 g/10 min @Load 11.0 lb, Temperature 567 °F	ASTM D1238

Thermal Properties	Metric	English	Comments
Melting Point	267 °C	513 °F	ASTM D4591
Maximum Service Temperature, Air	150 °C	302 °F	DIN 57207 part 6
Minimum Service Temperature, Air	-200 °C	-328 °F	
Oxygen Index	>= 30 %	>= 30 %	ASTM D2863

Electrical Properties	Metric	English	Comments
Dielectric Constant	2.58 @Frequency 1.00e+6 Hz	2.58 @Frequency 1.00e+6 Hz	ASTM D150
Dielectric Strength	140 kV/mm @Thickness 0.100 mm	3560 kV/in @Thickness 0.00394 in	ASTM D149

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