

3M Dyneon™ FEP 6322Z Fluorinated Ethylene Propylene Fluorothermoplastic Granules

Category : Polymer , Thermoplastic , Fluoropolymer , FEP

Material Notes:

Dyneon FEP 6322Z was designed primarily for high-speed extrusion for wire insulation. Its distinguishing features include: High extrusion speed, High thermal stability, Wide processing window, Superior electrical properties, Excellent low smoke and low flame properties. Information provided by Dyneon, A 3M Company

Order this product through the following link:

http://www.lookpolymers.com/polymer_3M-Dyneon-FEP-6322Z-Fluorinated-Ethylene-Propylene-Fluorothermoplastic-Granules.php

| Physical Properties | Metric | English | Comments |
|------------------------|---|---|------------|
| Specific Gravity | 2.15 g/cc | 2.15 g/cc | ASTM D792 |
| Melt Index of Compound | 22 g/10 min @Load 5.00 kg, Temperature 372 °C | 22 g/10 min @Load 11.0 lb, Temperature 702 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---------------------------|-----------|----------|-----------|
| Tensile Strength at Break | 20.0 MPa | 2900 psi | ASTM D638 |
| Elongation at Break | 300 % | 300 % | ASTM D638 |
| Flexural Modulus | 0.580 GPa | 84.1 ksi | ASTM D790 |

| Thermal Properties | Metric | English | Comments |
|--------------------|---------|---------|------------|
| Melting Point | 255 °C | 491 °F | ASTM D4591 |
| Flammability, UL94 | V-0 | V-0 | |
| Oxygen Index | >= 95 % | >= 95 % | ASTM D2863 |

| Electrical Properties | Metric | English | Comments |
|-----------------------|--|--|-----------------------|
| Dielectric Constant | <= 2.15 @Frequency 1000 - 1.00e+6 Hz | <= 2.15 @Frequency 1000 - 1.00e+6 Hz | ASTM D150 |
| Dielectric Strength | 94.5 kV/mm | 2400 kV/in | 5 mil film; ASTM D149 |
| Dissipation Factor | <= 0.00030 @Frequency 1000 Hz | <= 0.00030 @Frequency 1000 Hz | ASTM D150 |

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