

## 3M Dyneon™ PFA 6502TZ Perfluoroalkoxy Fluorothermoplastic Granules

Category : Polymer , Thermoplastic , Fluoropolymer , PFA

### Material Notes:

3M™ Dyneon™ PFA 6502TZ is a fluorothermoplastic resin for transfer molding applications and extrusion of claddings and linings. Dyneon PFA 6502TZ allows for easy processing under low shear rates, with a wide processing window and excellent color stability. This material can be used in tough environments, such as chemical industry applications, where high strength and extreme thermal and chemical resistance are required. Features and Benefits: Wide service temperature range Excellent, almost universal resistance to solvents and chemicals High transparency Extremely high weathering resistance and UV stability Smooth surfaces Broad processing window High limiting oxygen index: does not support combustion Good non stick characteristics Excellent electrical insulation properties Excellent mold release Good low friction properties Excellent stress crack resistance Transfer molding and extrusion Information provided by Dyneon, A 3M Company

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_3M-Dyneon-PFA-6502TZ-Perfluoroalkoxy-Fluorothermoplastic-Granules.php](http://www.lookpolymers.com/polymer_3M-Dyneon-PFA-6502TZ-Perfluoroalkoxy-Fluorothermoplastic-Granules.php)

| Physical Properties    | Metric                                               | English                                              | Comments   |
|------------------------|------------------------------------------------------|------------------------------------------------------|------------|
| Specific Gravity       | 2.15 g/cc                                            | 2.15 g/cc                                            | ASTM D792  |
| Melt Index of Compound | 2.0 g/10 min<br>@Load 5.00 kg,<br>Temperature 372 °C | 2.0 g/10 min<br>@Load 11.0 lb,<br>Temperature 702 °F | ASTM D1238 |

| Mechanical Properties     | Metric    | English  | Comments   |
|---------------------------|-----------|----------|------------|
| Hardness, Shore D         | 60        | 60       | ASTM D2240 |
| Tensile Strength at Break | 30.0 MPa  | 4350 psi | ASTM D638  |
| Elongation at Break       | 380 %     | 380 %    | ASTM D638  |
| Flexural Modulus          | 0.550 GPa | 79.8 ksi | ASTM D790  |

| Thermal Properties | Metric  | English | Comments   |
|--------------------|---------|---------|------------|
| Melting Point      | 310 °C  | 590 °F  | ASTM D4591 |
| Oxygen Index       | >= 95 % | >= 95 % | ASTM D2863 |

| Descriptive Properties | Value   | Comments |
|------------------------|---------|----------|
| Form                   | Pellets |          |

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