# 3M Dyneon™ PVDF 2066_0002 Fluoroplastic

**Category :** Polymer , Thermoplastic , Fluoropolymer , PVDF , Polyvinylidinefluoride (PVDF), Molded/Extruded

**Material Notes:**

3M™ Dyneon™ PVDF 2066/0002, a fluoropolymer material, provides an excellent balance of physical properties, processability, surface smoothness, flexibility, and refractive index, allowing for a wide array of gauges for filaments such as fishing line. In addition to the well established intrinsic characteristics of PVDF such as high strength for a given filament diameter and a refractive index nearly identical to water, PVDF 2066/0002 has improved impact resistance that can provide additional shock strength to filamentFeatures and Benefits:Highest impact strength of any extrudable 3M PVDFHighest melt viscosity of any extrudable 3M PVDFHigh tensile strengthInformation provided by the Dyneon division of 3M.

Order this product through the following link:
http://www.lookpolymers.com/polymer_3M-Dyneon-PVDF-20660002-Fluoroplastic.php

| Physical Properties | Metric | English | Comments |
|---|---|---|---|
| Melt Flow | 4.0 - 6.0 g/10 min<br>@Load 10.0 kg, Temperature 230 °C | 4.0 - 6.0 g/10 min<br>@Load 22.0 lb, Temperature 446 °F | ASTM D1238 |

| Mechanical Properties | Metric | English | Comments |
|---|---|---|---|
| Tensile Strength at Break | 67.0 MPa | 9720 psi | 50 mm/min; ASTM D638 |
| Tensile Strength, Yield | 46.0 MPa | 6670 psi | 50 mm/min; ASTM D638 |
| Elongation at Break | 428 % | 428 % | 50 mm/min; ASTM D638 |
| Elongation at Yield | 9.0 % | 9.0 % | 50 mm/min; ASTM D638 |
| Flexural Modulus | 1.67 GPa | 242 ksi | 50 mm/min; ASTM D790 |

| Descriptive Properties | Value | Comments |
|---|---|---|
| Color | Opaque | |
| Volatile Matter | <0.2% | 5 min/110°, Thermobalance |

## Contact Songhan Plastic Technology Co.,Ltd.

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