

3M™ Dyneon™ PTFE Compound TF 3105

Polytetrafluoroethylene

3M Advanced Materials Division

Message:

Features

Dyneon™ PTFE Compound with 25 % glass fibre

Low flow compound

| General Information | |
|------------------------|----------------------------------|
| Filler / Reinforcement | Glass Fiber,25% Filler by Weight |
| Features | Low Flow |
| Processing Method | Compression Molding Sintering |

| Physical | Nominal Value | Unit | Test Method |
|--------------------------|---------------|-------------------|---------------|
| Specific Gravity | 2.20 | g/cm ³ | ASTM D4745-06 |
| Apparent Density | 0.50 | g/cm ³ | ASTM D4894-07 |
| Molding Shrinkage - Flow | 1.0 | % | ASTM D4894-07 |

| Hardness | Nominal Value | Unit | Test Method |
|---------------------------------------|---------------|------|-------------|
| Shore Hardness ¹ (Shore D) | 67 | | DIN 53505 |

| Mechanical | Nominal Value | Unit | Test Method |
|---|---------------|------|---------------|
| Tensile Strength ² (Break) | 19.0 | MPa | ASTM D4745-06 |
| Tensile Elongation ³ (Break) | 280 | % | ASTM D4745-06 |

| Additional Information | Nominal Value | Unit |
|--------------------------------------|---------------|------|
| Compression Molding Molding Pressure | 50.0 | MPa |
| Compression Molding Temperature | 23 to 26 | °C |
| Sintering Temperature | < 365 | |

| NOTE | |
|------|-------------------------------|
| 1. | Measured on sintered moldings |
| 2. | Measured on sintered moldings |
| 3. | Measured on sintered moldings |

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