

# POLYFORT® FPP 3799

Polypropylene

A. Schulman Inc.

Message:

PP 35% GF 15% BF filled

| General Information                   |                                  |                   |                 |
|---------------------------------------|----------------------------------|-------------------|-----------------|
| Filler / Reinforcement                | Glass Bead,15% Filler by Weight  |                   |                 |
|                                       | Glass Fiber,35% Filler by Weight |                   |                 |
| Processing Method                     | Injection Molding                |                   |                 |
| Physical                              | Nominal Value                    | Unit              | Test Method     |
| Specific Gravity                      | 1.40                             | g/cm <sup>3</sup> | ASTM D792       |
| Molding Shrinkage - Flow <sup>1</sup> | 0.060                            | %                 | Internal Method |
| Mechanical                            | Nominal Value                    | Unit              | Test Method     |
| Tensile Strength <sup>2</sup> (Yield) | 100                              | MPa               | ASTM D638       |
| Flexural Modulus <sup>3</sup>         | 8700                             | MPa               | ASTM D790       |
| Impact                                | Nominal Value                    | Unit              | Test Method     |
| Notched Izod Impact                   | 100                              | J/m               | ASTM D256       |
| Thermal                               | Nominal Value                    | Unit              | Test Method     |
| Deflection Temperature Under Load     |                                  |                   | ASTM D648       |
| 0.45 MPa, Unannealed                  | 160                              | °C                |                 |
| 1.8 MPa, Unannealed                   | 150                              | °C                |                 |
| Additional Information                | Nominal Value                    | Unit              | Test Method     |
| Filler Content                        | 49                               | %                 | ASTM D5630      |
| NOTE                                  |                                  |                   |                 |
| 1.                                    | 5x7 in plaque                    |                   |                 |
| 2.                                    | 50 mm/min                        |                   |                 |
| 3.                                    | 1.3 mm/min                       |                   |                 |

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## Recommended distributors for this material

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