

# Fiberfil® J-60/30/E5

Polypropylene Homopolymer

Fiberfil® Engineered Plastics Inc.

## Message:

Fiberfil® J-60/30/E5 is a polypropylene homopolymer (PP Homopoly) material, and the filler is 30% glass fiber reinforced material. This product is available in North America.

Fiberfil® The main features of J-60/30/E5 are:

Chemical coupling

Homopolymer

| General Information                       |                                                       |                   |             |
|-------------------------------------------|-------------------------------------------------------|-------------------|-------------|
| Filler / Reinforcement                    | Glass fiber reinforced material, 30% filler by weight |                   |             |
| Features                                  | Chemical coupling                                     |                   |             |
|                                           | Homopolymer                                           |                   |             |
| Forms                                     | Particle                                              |                   |             |
| Physical                                  | Nominal Value                                         | Unit              | Test Method |
| Specific Gravity                          | 1.12                                                  | g/cm <sup>3</sup> | ASTM D792   |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 6.0                                                   | g/10 min          | ASTM D1238  |
| Molding Shrinkage - Flow                  |                                                       |                   | ASTM D955   |
| 3.18 mm                                   | 0.30                                                  | %                 | ASTM D955   |
| 6.35 mm                                   | 0.40                                                  | %                 | ASTM D955   |
| Water Absorption (24 hr)                  | 0.030                                                 | %                 | ASTM D570   |
| Hardness                                  | Nominal Value                                         | Unit              | Test Method |
| Rockwell Hardness (R-Scale)               | 105                                                   |                   | ASTM D785   |
| Mechanical                                | Nominal Value                                         | Unit              | Test Method |
| Tensile Modulus (23°C)                    | 5860                                                  | MPa               | ASTM D638   |
| Tensile Strength (23°C)                   | 82.7                                                  | MPa               | ASTM D638   |
| Tensile Elongation (Yield, 23°C)          | 3.0                                                   | %                 | ASTM D638   |
| Flexural Modulus - Tangent (23°C)         | 4830                                                  | MPa               | ASTM D790   |
| Flexural Strength (23°C)                  | 107                                                   | MPa               | ASTM D790   |
| Impact                                    | Nominal Value                                         | Unit              | Test Method |
| Notched Izod Impact (23°C, 3.18 mm)       | 80                                                    | J/m               | ASTM D256   |
| Thermal                                   | Nominal Value                                         | Unit              | Test Method |
| Deflection Temperature Under Load         |                                                       |                   | ASTM D648   |
| 0.45 MPa, not annealed                    | 157                                                   | °C                | ASTM D648   |
| 1.8 MPa, not annealed                     | 152                                                   | °C                | ASTM D648   |
| Additional Information                    |                                                       |                   |             |

Rockwell Hardness, ASTM D785, R-Scale: 100 to 110

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#### Recommended distributors for this material

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