

# Petlon R-Prime M3-G30-00-BK

Polybutylene Terephthalate + PET

Petlon Polymers Ltd

## Message:

100% Recycled PBT/PET, 30% Glass Reinforced, Black Compound.

| General Information              |                                  |                   |             |
|----------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement           | Glass Fiber,30% Filler by Weight |                   |             |
| Recycled Content                 | Yes,100%                         |                   |             |
| Appearance                       | Black                            |                   |             |
| Forms                            | Granules                         |                   |             |
| Processing Method                | Injection Molding                |                   |             |
| Physical                         | Nominal Value                    | Unit              | Test Method |
| Density                          | 1.58                             | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                | 0.40 to 0.80                     | %                 |             |
| Mechanical                       | Nominal Value                    | Unit              | Test Method |
| Tensile Stress (Break)           | 80.0                             | MPa               | ISO 527-2   |
| Tensile Strain (Break)           | 2.5                              | %                 | ISO 527-2   |
| Impact                           | Nominal Value                    | Unit              | Test Method |
| Charpy Notched Impact Strength   | 5.0                              | kJ/m <sup>2</sup> | ISO 179/1eA |
| Charpy Unnotched Impact Strength | 25                               | kJ/m <sup>2</sup> | ISO 179/1eU |
| Injection                        | Nominal Value                    | Unit              |             |
| Drying Temperature               | 110 to 120                       | °C                |             |
| Drying Time                      | 4.0 to 6.0                       | hr                |             |
| Processing (Melt) Temp           | 260 to 285                       | °C                |             |
| Mold Temperature                 | 60.0 to 110                      | °C                |             |

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## Recommended distributors for this material

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