

# TRIBOCOMP® PP-C LGF30 TS12

Polypropylene  
EPIC Polymers

Message:

TRIBOCOMP® PP-C LGF30 TS12 is a Polypropylene product filled with 30% long glass fiber. It is available in Europe.

| General Information                          |                                       |                   |             |
|----------------------------------------------|---------------------------------------|-------------------|-------------|
| Filler / Reinforcement                       | Long Glass Fiber,30% Filler by Weight |                   |             |
| Features                                     | Low Friction                          |                   |             |
| Forms                                        | Pellets                               |                   |             |
| Physical                                     | Nominal Value                         | Unit              | Test Method |
| Density                                      | 1.12                                  | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage - Flow                     | 0.40                                  | %                 | ISO 294-4   |
| Water Absorption (Equilibrium, 23°C, 50% RH) | 0.010                                 | %                 | ISO 62      |
| Mechanical                                   | Nominal Value                         | Unit              | Test Method |
| Tensile Modulus (23°C)                       | 6300                                  | MPa               | ISO 527-2   |
| Tensile Stress (Yield, 23°C)                 | 115                                   | MPa               | ISO 527-2   |
| Tensile Strain (Break, 23°C)                 | 3.0                                   | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                      | 7500                                  | MPa               | ISO 178     |
| Flexural Stress (23°C)                       | 165                                   | MPa               | ISO 178     |
| Impact                                       | Nominal Value                         | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)        | 20                                    | kJ/m <sup>2</sup> | ISO 179     |
| Charpy Unnotched Impact Strength (23°C)      | 44                                    | kJ/m <sup>2</sup> | ISO 179     |
| Thermal                                      | Nominal Value                         | Unit              | Test Method |
| Heat Deflection Temperature                  |                                       |                   |             |
| 0.45 MPa, Unannealed                         | 140                                   | °C                | ISO 75-2/B  |
| 1.8 MPa, Unannealed                          | 135                                   | °C                | ISO 75-2/A  |
| CLTE - Flow (23°C)                           | 4.0E-5                                | cm/cm/°C          | ISO 7991    |
| Thermal Conductivity                         | 0.35                                  | W/m/K             | ISO 22007   |
| Electrical                                   | Nominal Value                         | Unit              | Test Method |
| Surface Resistivity                          | 1.0E+15                               | ohms              | ASTM D257   |
| Electric Strength                            | 45                                    | kV/mm             | IEC 60243-1 |
| Comparative Tracking Index                   | 600                                   | V                 | IEC 60112   |
| Extrusion                                    | Nominal Value                         | Unit              |             |
| Cylinder Zone 1 Temp.                        | 200 to 250                            | °C                |             |
| Cylinder Zone 2 Temp.                        | 210 to 360                            | °C                |             |
| Cylinder Zone 3 Temp.                        | 220 to 270                            | °C                |             |
| Cylinder Zone 4 Temp.                        | 230 to 280                            | °C                |             |

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