

# LONGLITE® PBT 7330H-104

Acrylonitrile Butadiene Styrene + PBT

CCP Group

## Message:

PBT/ABS 7330H-104 is a 30% glass fiber reinforced black color injection molding grade.

| General Information                               |                                  |                   |             |
|---------------------------------------------------|----------------------------------|-------------------|-------------|
| Filler / Reinforcement                            | Glass Fiber,30% Filler by Weight |                   |             |
| Appearance                                        | Black                            |                   |             |
| Processing Method                                 | Injection Molding                |                   |             |
| Physical                                          | Nominal Value                    | Unit              | Test Method |
| Density                                           | 1.40                             | g/cm <sup>3</sup> | ISO 1183    |
| Molding Shrinkage                                 |                                  |                   | ISO 294-4   |
| Across Flow                                       | 0.50 to 1.1                      | %                 |             |
| Flow                                              | 0.10 to 0.30                     | %                 |             |
| Mechanical                                        | Nominal Value                    | Unit              | Test Method |
| Tensile Modulus (23°C)                            | 8200                             | MPa               | ISO 527-2   |
| Tensile Stress (Break, 23°C)                      | 100                              | MPa               | ISO 527-2   |
| Tensile Strain (Break, 23°C)                      | 2.4                              | %                 | ISO 527-2   |
| Flexural Modulus (23°C)                           | 6000                             | MPa               | ISO 178     |
| Flexural Stress (23°C)                            | 140                              | MPa               | ISO 178     |
| Impact                                            | Nominal Value                    | Unit              | Test Method |
| Charpy Notched Impact Strength (23°C)             | 10                               | kJ/m <sup>2</sup> | ISO 179/1eA |
| Thermal                                           | Nominal Value                    | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) | 160                              | °C                | ISO 75-2/A  |
| Melting Temperature                               | 225                              | °C                | ISO 11357-3 |
| Electrical                                        | Nominal Value                    | Unit              | Test Method |
| Surface Resistivity                               | 1.0E+13                          | ohms              | IEC 60093   |
| Volume Resistivity                                | 1.0E+14                          | ohms·cm           | IEC 60093   |
| Electric Strength (2.00 mm)                       | 23                               | kV/mm             | IEC 60243-1 |
| Flammability                                      | Nominal Value                    | Unit              | Test Method |
| Flame Rating                                      | HB                               |                   | UL 94       |
| Fill Analysis                                     | Nominal Value                    | Unit              | Test Method |
| Melt Viscosity (260°C)                            | 220                              | Pa·s              | ISO 11443   |
| Injection                                         | Nominal Value                    | Unit              |             |
| Drying Temperature                                | 120 to 140                       | °C                |             |
| Drying Time                                       | 4.0                              | hr                |             |
| Processing (Melt) Temp                            | 240 to 270                       | °C                |             |
| Mold Temperature                                  | 60.0 to 100                      | °C                |             |

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