Tekudur MW/GF 20

Polybutylene Terephthalate

TEKUMA Kunststoff GmbH

Message:

Tekudur MW/GF 20 is a Polybutylene Terephthalate (PBT) material filled with 20% glass fiber. It is available in Europe for injection molding. Primary attribute of Tekudur MW/GF 20: Flame Rated.

| Filler / Reinforcement Glass Fiber,20% Filler by Weight Appearance Natural Color Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Specific Gravity 1.45 g/cm³ ASTM D792 Meth Mass-Flow Rate (MFR) 20 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Rockwell Hardness (M-Scale) 87 STM D785 Mechanical Nominal Value Unit Test Method Flexural Strength 180 MPa ASTM D790 Deflection Temperature Under Load (1.8 MPa, Unannealed) 205 °C ASTM D648 Vicat Softening Temperature 210 °C ASTM D648 | | | | |
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| Appearance Natural Color Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Specific Gravity 1.45 g/cm³ ASTM D792 Melt Mass-Flow Rate (MFR) 20 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Rockwell Hardness (M-Scale) 87 Test Method STM D795 Mechanical Nominal Value Unit Test Method Flexural Strength 180 MPa ASTM D790 Deflection Temperature Under Load (1.8 MPa, Unannealed) 205 °C ASTM D648 Vicat Softening Temperature 210 °C ASTM D648 | General Information | | | |
| Forms Pellets Processing Method Injection Molding Physical Nominal Value Unit Test Method Specific Gravity 1.45 g/cm³ ASTM D792 Melt Mass-Flow Rate (MFR) 20 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Rockwell Hardness (M-Scale) 87 Test Method ASTM D785 Mechanical Nominal Value Unit Test Method Rockwell Hardness (M-Scale) 87 Test Method Rockwell Hardness (M-Scale) Nominal Value Unit Test Method Pletction Temperature Under Load (1.8) Soft Softening Temperature Soft Softening Temperature Soft Softening Temperature Vicat Softening Temperature 210 °C Soft Softenic Soft Softenic | Filler / Reinforcement | Glass Fiber,20% Filler by Weight | | |
| Processing Method Injection Molding Physical Nominal Value Unit Test Method Specific Gravity 1.45 g/cm³ ASTM D792 Melt Mass-Flow Rate (MFR) 20 g/10 min ASTM D1238 Hardness Nominal Value Unit Test Method Rockwell Hardness (M-Scale) 87 STM D785 Mechanical Nominal Value Unit Test Method Flexural Strength 180 MPa ASTM D790 Deflection Temperature Under Load (1.8 MPa, Unannealed) 205 °C ASTM D648 Vicat Softening Temperature 210 °C SO 306/B120 | Appearance | Natural Color | | |
| PhysicalNominal ValueUnitTest MethodSpecific Gravity1.45g/cm³ASTM D792Melt Mass-Flow Rate (MFR)20g/10 minASTM D1238HardnessNominal ValueUnitTest MethodRockwell Hardness (M-Scale)87STM D785MechanicalNominal ValueUnitTest MethodFlexural Strength180MPaASTM D790Deflection Temperature Under Load (1.8 MPa, Unannealed)205°CASTM D648Vicat Softening Temperature210°CISO 306/B120Flexural Strength210°CTest Method | Forms | Pellets | | |
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| MechanicalNominal ValueUnitTest MethodFlexural Strength180MPaASTM D790ThermalNominal ValueUnitTest MethodDeflection Temperature Under Load (1.8 MPa, Unannealed)205°CASTM D648Vicat Softening Temperature210°CISO 306/B120FlammabilityNominal ValueTest Method | Hardness | Nominal Value | Unit | Test Method |
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| Deflection Temperature Under Load (1.8 205 °C ASTM D648 Vicat Softening Temperature 210 °C ISO 306/B120 Flammability Nominal Value Test Method | Flexural Strength | 180 | MPa | ASTM D790 |
| MPa, Unannealed) 205 °C ASTM D648 Vicat Softening Temperature 210 °C ISO 306/B120 Flammability Nominal Value Test Method | Thermal | Nominal Value | Unit | Test Method |
| MPa, Unannealed) 205 °C ASTM D648 Vicat Softening Temperature 210 °C ISO 306/B120 Flammability Nominal Value Test Method | Deflection Temperature Under Load (1.8 | | | |
| Flammability Nominal Value Test Method | MPa, Unannealed) | 205 | °C | ASTM D648 |
| | Vicat Softening Temperature | 210 | °C | ISO 306/B120 |
| Flame Rating (3.20 mm) HB UL 94 | Flammability | Nominal Value | | Test Method |
| | Flame Rating (3.20 mm) | НВ | | UL 94 |

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