

Technical Data Sheet

Polyflam 35S5151NC SF



Polybutylene Terephthalate

Product Description

Polyflam 35S5151NC SF is a Polybutylene Terephthalate Glass Fiber, 15% filled material.

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| Forms | Pellets |
| Additive | Flame Retardant |
| Filler/Reinforcement | Glass Fiber, 15% |

| Typical Properties | Nominal Value | Units | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| Physical | | | |
| Density - Specific Gravity | 1.5 | g/cm ³ | ASTM D792 |
| Mechanical | | | |
| Tensile Strength at Yield | 89.6 | MPa | ASTM D638 |
| Flexural Modulus | 4830 | MPa | ASTM D790 |
| Impact | | | |
| Notched Izod Impact | 43 | J/m | ASTM D256 |
| Thermal | | | |
| Deflection Temperature Under Load Unannealed (264 psi) | 182 | °C | ASTM D648 |
| Deflection Temperature Under Load Unannealed (66 psi) | 204 | °C | ASTM D648 |
| RTI Elec | 75 | °C | UL 746B |
| RTI Imp | 75 | °C | UL 746B |
| RTI Str | 75 | °C | UL 746B |
| UL Information | | | |
| Flame Rating | | | |
| (1.5 mm) | V-0 | | UL 94 |
| (2.5 mm) | 5VA | | UL 94 |