

Technical Data Sheet

Polyflam 35S5151NC SF



Polybutylene Terephthalate

Product Description

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

Regulatory Status

For regulatory compliance information, see 35S5151NC SF [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
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

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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