

# Polyflam 35S4302NCBLK

LyondellBasell Industries - Polybutylene Terephthalate

## General Information

### Product Description

Polyflam 35S4302NCBLK is a Polybutylene Terephthalate Glass Fiber, 30% filled material.

### General

Filler / Reinforcement	• Glass Fiber, 30% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.58		ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	17500	psi	ASTM D638
Flexural Modulus	1.10E+6	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	1.6	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	405	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	385	°F	ASTM D648
RTI Elec	167	°F	UL 746B
RTI Imp	167	°F	UL 746B
RTI Str	167	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in		V-0	
0.10 in		5VA	