

Technical Data Sheet

Polyflam 35S4302NCBLK

Polybutylene Terephthalate

Product Description

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

Forms	Pellets
Additive	Flame Retardant
Filler/Reinforcement	Glass Fiber, 30%

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (250 °C/2.16 kg)	7.0	g/10 min	ASTM D1238
Density - Specific Gravity	1.58	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	121	MPa	ASTM D638
Flexural Modulus	7580	MPa	ASTM D790
Impact			
Notched Izod Impact	85	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	196	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	207	°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