



# Polyflam 15S3302DG6018GRY

LyondellBasell Industries - Polypropylene Copolymer

## General Information

### Product Description

15S3302 is a 30% Fiberglass Reinforced, Flame Retardant Polypropylene Copolymer

### General

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

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.47		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	11500	psi	ASTM D638
Flexural Modulus - Tangent	999000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.1	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	315	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	295	°F	ASTM D648
RTI Str			UL 746B
0.06 in	230	°F	
0.12 in	248	°F	
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	5VA		

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	180	°F
Drying Time	2.0 to 4.0	hr
Rear Temperature	351 to 399	°F
Middle Temperature	351 to 441	°F
Front Temperature	351 to 441	°F
Nozzle Temperature	351 to 441	°F
Processing (Melt) Temp	351 to 441	°F
Mold Temperature	90 to 151	°F
Injection Rate	Moderate	
Back Pressure	< 99.9	psi
Screw Speed	20 to 60	rpm

Injection	Nominal Value	Unit
Cushion	0.250 to 0.500	in