

# Polyflam 55S7103NTWHI

LyondellBasell Industries - Polycarbonate

## General Information

### Product Description

Polyflam 55S7103NTWHI is a Polycarbonate Glass Fiber, 10% filled material.

### General

Filler / Reinforcement	• Glass Fiber, 10% Filler by Weight
Additive	• Flame Retardant
Features	• Flame Retardant
Forms	• Pellets

## Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	1.26		ASTM D792
Melt Mass-Flow Rate (MFR) (300°C/1.2 kg)	12	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	9010	psi	ASTM D638
Flexural Modulus - Tangent	480000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	2.4	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	286	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	280	°F	ASTM D648
RTI Str	200	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.06 in	V-0		
0.10 in	5VA		

## Processing Information

Injection	Nominal Value	Unit
Drying Temperature	250	°F
Drying Time	4.0 to 6.0	hr
Rear Temperature	540 to 590	°F
Middle Temperature	540 to 590	°F
Front Temperature	540 to 590	°F
Processing (Melt) Temp	559 to 610	°F
Mold Temperature	160 to 219	°F
Injection Rate	Slow-Moderate	
Back Pressure	50.0 to 99.9	psi
Cushion	0.250 to 0.500	in