



# Polyflam RIPP 374 ND CS1 BKBLK

LyondellBasell Industries - Polypropylene Copolymer

## General Information

### Product Description

20% talc filled flame-retardant PP-Copolymer

### General

Filler / Reinforcement	• Talc, 20% Filler by Weight		
Additive	• Copper Stabilizer	• Flame Retardant	
Features	• Copolymer	• Copper Contact Stabilized	• Flame Retardant
Processing Method	• Injection Molding		
Resin ID	• PP TD20 FR(17)		

## Properties<sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	1.36	g/cm <sup>3</sup>	ISO 1183/A
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	11	cm <sup>3</sup> /10min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	392000	psi	ISO 527-1/1A/1
Tensile Stress (Yield)	3050	psi	ISO 527-2/1A/50
Tensile Strain (Yield)	2.0	%	ISO 527-2/1A/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (73°F)	29	ft-lb/in <sup>2</sup>	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	284	°F	ISO 306/A50
Ball Pressure Test (212°F)	Pass		IEC 60695-10-2
RTI Elec			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	
RTI Imp			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	
RTI Str			UL 746B
0.06 in	122	°F	
0.12 in	122	°F	
Electrical	Nominal Value	Unit	Test Method
Comparative Tracking Index	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate <sup>2</sup>			ISO 3795
0.0591 in	0.0	in/min	
0.118 in	0.0	in/min	
Flame Rating			UL 94
0.06 in	V-0		
0.12 in	V-0		

**Polyflam RIPP 374 ND CS1 BKBLK**  
**LyondellBasell Industries - Polypropylene Copolymer**

<b>Flammability</b>	<b>Nominal Value</b>	<b>Unit</b>	<b>Test Method</b>
Flammability Classification			IEC 60695-11-10, -20
0.06 in		V-0	
0.12 in		V-0	
Glow Wire Flammability Index			IEC 60695-2-12
0.06 in	1760	°F	
0.12 in	1760	°F	
Glow Wire Ignition Temperature			IEC 60695-2-13
0.06 in	1200	°F	
0.12 in	1200	°F	
Oxygen Index	27	%	ISO 4589-2

**Processing Information**

<b>Injection</b>	<b>Nominal Value</b>	<b>Unit</b>
Drying Temperature	158 to 176	°F
Drying Time	2.0 to 4.0	hr
Processing (Melt) Temp	356 to 428	°F
Mold Temperature	104 to 176	°F

**Notes**

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Self-Extinguishing