

# *Polyflam* PP

Highlight on flame retardant compounds



# Polyflam PP properties

LyondellBasell is an industry leading supplier of flame retardant polypropylene compounds.

## Properties

- Choice of Homo-/Copolymers in different colors
- High CTI of 600V
- Flammability ratings - Glow Wire Ignition Temperature - UL approvals - Low smoke density and toxicity
- Environmental aspects: halogen-free available, compliant with WEEE and ROHS regulations

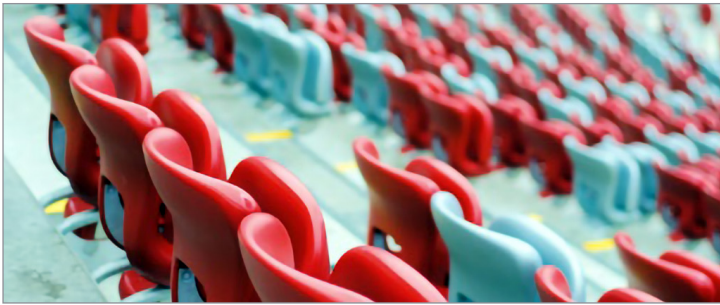
Properties	Units	Polyflam			
		RIPP 2000 S	RPP 374 ND CS1 5V	RIPP 374 ND CS1 5V	RPP 60335 CS1 5V
		PP Copo, unfilled V2 halogen free	PP Homo, T20, V0, 5V	PP Copo, T20, V0, 5V	PP Homo, M35, V0
Density	g/cm	0.91	1.5	1.39	1.41
MVR 230°C/2,16Kg	cm³/10min	13	5	5	1.5
UL94 (V-)		V-2 @ 1.5mm	V-0 @ 1.5mm	V-0 @ 0.75mm	V-0 @ 1.5mm
UL94 (5V-)		-	5VA @ 1.8mm	5VA @ 2.0mm	5VB @ 2.0mm
GWIT	°C	800	750	750	800
RTI	°C	65	105	65	65
CTI	V	600	600	600	600

Properties	Units	Polyflam			
		RPP 4115 MD	RPP 4220 MD 16V0	RPP 4225 CS1	RPP 4230 MD 16V0
		PP Homo, M15, V0 halogen free	PP Homo, GF20, V0	PP Homo, GF25, V0	PP Homo, GF30, V0
Density	g/cm	1.18	1.21	1.26	1.32
MVR 230°C/2,16Kg	cm³/10min	7	5	4	5
UL94 (V-)		V-0 @ 1.5mm	V-0 @ 1.5mm	V-0 @ 1.5mm	V-0 @ 1.5mm
UL94 (5V-)		-	-	5VA @ 3.0mm	-
GWIT	°C	775	800	850	775
RTI	°C	65	65	65	65
CTI	V	600	600	600	600

 Yellow card available

# Polyflam PP markets

Polyflam is designed to meet and exceed your industry's specification and has a long track-record of performance in:



## Building & construction:

- **e.g. public/outdoor seating**  
complies with EN13501, NF P92-501 Weather- and UV resistant, free of antimony trioxide for brilliant colors



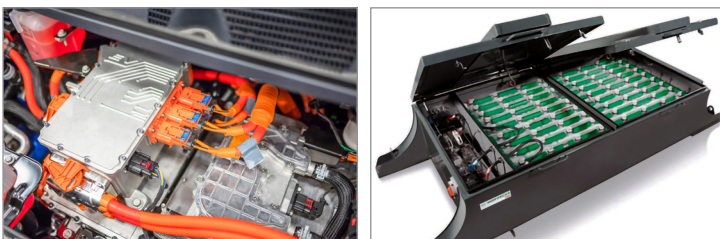
## Electrical & electronic:

- **e.g. wire & cables**  
flexible and bendable
- **e.g. cable ducts, power rails**  
impact strength and toughness



## Household appliances:

- **e.g. connectors**  
exceeding IEC 60335 for unattended household appliances with Glow Wire Ignition Temperature of 0 seconds flame at 775° C, CTI 600 V, UL94 V-0 at 0,8 mm, 5VB at 2 mm



## Mobility:

- **e.g. fuse boxes and housings, batteries, supporting parts inside high voltage (EV) battery systems**  
low warpage, dimensional stable, cost effective, orange color for high voltage applications

# About us

We are LyondellBasell (LYB) – a leader in the global chemical industry creating solutions for everyday sustainable living. Through advanced technology and focused investments, we are enabling a circular and low carbon economy. Across all we do, we aim to unlock value for our customers, investors and society. As one of the world's largest producers of polymers and a leader in polyolefin technologies, we develop, manufacture and market high-quality and innovative products for applications ranging from sustainable transportation and food safety to clean water and quality healthcare. For more information, please visit [www.lyb.com](http://www.lyb.com) or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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