

PolyFR™ 201

Polyethylene

JJI Technologies, LLC

Message:

PolyFR® 201 is a highly loaded non-halogen flame retardant concentrate pellet designed for ease of use in polyethylene resin compounding and molding processes where FR levels can be metered in to meet various flame retardant standards for the product. The concentrate incorporates our high performance JJAZZ® intumescent flame retardant system. PolyFR® 201 utilizes a prime 20 melt LLDPE as its binder resin for ease of processing and incorporating into a variety of polyethylene resins in final compounding and molding applications. It is recommended at loading levels from 35-50% depending on the resin systems, material thickness, equipment, formulation additives and final flame retardancy requirements. It is recyclable.

General Information			
Additive	Flame Retardant		
Features	Flame Retardant		
	Halogen Free		
	Low to No Fumes		
	Non-Blooming		
	Recyclable Material		
Appearance	White		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.14	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.62	g/10 min	ASTM D1238
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-52.8	°C	ASTM D746
Flammability	Nominal Value		Test Method
Flame Rating (1.59 mm)	V-0		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	105	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	185 to 195	°C	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

