

Polyflam HP1363V2CSLB15715GRY

LyondellBasell Industries - Polypropylene Homopolymer

General Information

Product Description

Polyflam HP1363V2CSLB15715GRY is a Polypropylene Homopolymer Copper filled material.

General

Filler / Reinforcement	• Copper
Additive	• Flame Retardant • Heat Stabilizer
Features	• Flame Retardant • Heat Stabilized
Forms	• Pellets

Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.935		ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	13	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	174000	psi	ASTM D638
Tensile Strength (Yield)	4760	psi	ASTM D638
Flexural Modulus	210000	psi	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	0.81	ft-lb/in	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	190	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed	125	°F	ASTM D648
RTI Elec	230	°F	UL 746B
RTI Imp	230	°F	UL 746B
RTI Str	230	°F	UL 746B
Flammability	Nominal Value	Unit	Test Method
Flame Rating (0.06 in)	V-2		UL 94

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 399	°F
Front Temperature	351 to 424	°F
Nozzle Temperature	351 to 424	°F
Processing (Melt) Temp	351 to 424	°F
Mold Temperature	90 to 151	°F
Injection Rate	Slow-Moderate	
Back Pressure	< 99.9	psi
Screw Speed	20 to 60	rpm
Cushion	0.250 to 0.500	in