

Technical Data Sheet

Polyflam HP1363V2CSLB14370ORE



Polypropylene, Homopolymer

Product Description

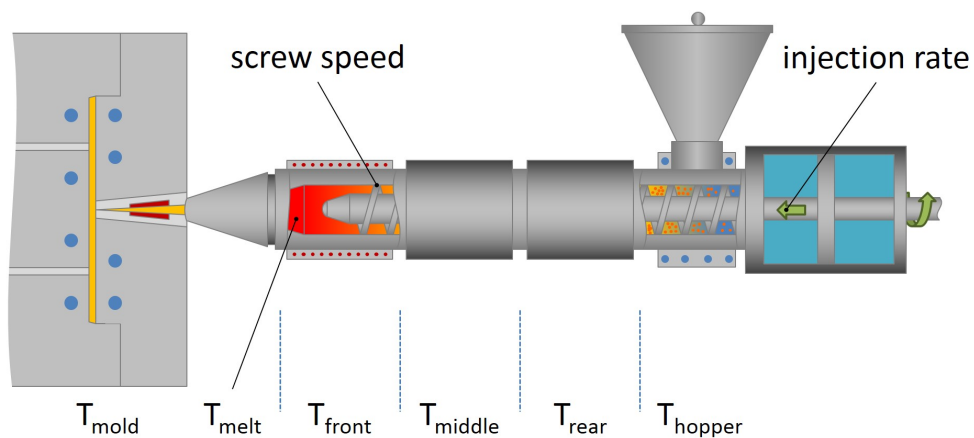
Polyflam HP1363V2CSLB14370ORE is a Polypropylene Homopolymer Copper filled material.

Regulatory Status

For regulatory compliance information, see HP1363V2CSLB14370ORE [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

Status	Commercial: Active
Availability	North America
Forms	Pellets
Additive	Flame Retardant; Heat Stabilizer
Filler/Reinforcement	Copper

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (230 °C/2.16 kg)	13	g/10 min	ASTM D1238
Density - Specific Gravity	0.933	g/cm ³	ASTM D792
Mechanical			
Tensile Strength at Yield	32.8	MPa	ASTM D638
Flexural Modulus	1450	MPa	ASTM D790
Tensile Modulus	1200	MPa	ASTM D638
Impact			
Notched Izod Impact	43	J/m	ASTM D256
Thermal			
Deflection Temperature Under Load Unannealed (264 psi)	51.7	°C	ASTM D648
Deflection Temperature Under Load Unannealed (66 psi)	87.8	°C	ASTM D648
RTI Elec	110	°C	UL 746B
RTI Imp	110	°C	UL 746B
RTI Str	110	°C	UL 746B
UL Information			
Flame Rating, (1.6 mm)	V-2		UL 94
UL File Number	E51193		



Injection Parameters	Nominal Value	Units
Drying Time	2.0 to 4.0	hr
Drying Temperature	82	°C
Nozzle Temperature	177 to 218	°C
Screw Speed	20 to 60	rpm
Processing (Melt) Temp	177 to 218	°C
Front Temperature	177 to 218	°C
Middle Temperature	177 to 204	°C
Rear Temperature	177 to 204	°C
Injection Rate	Slow-Moderate	
Back Pressure	<0.689	MPa
Mold Temperature	32 to 66	°C
Cushion	6.35 to 12.7	mm

Notes

These are typical property values not to be construed as specification limits.

Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

Company Information

For further information regarding the LyondellBasell company, please visit <http://www.lyb.com/>.

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