

Technical Data Sheet

Polyflam HP1363V2CSLB14373



Polypropylene, Homopolymer

Product Description

Polyflam HP1363V2CSLB14373 is a Polypropylene Homopolymer Copper filled material.

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