

Ultramid® 66 H2 G/35-V0KB1 BK3324

BASF Corporation - Polyamide 66

Monday, November 4, 2019

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Product Description

Processing Method

Ultramid 66 H2 G/35-V0KB1 BK3324 is a 35% glass reinforced, heat stabilized, pigmented black injection molding PA66. It's a self-extinguishing V-0, based on red phosphorous. It has good flowability and mechanical properties. It offers high rigidity and excellent electrical properties.

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General			
Material Status	Commercial: Active		
Availability	North America		
Filler / Reinforcement	Glass Fiber, 35% Filler by We	eight	
Additive	 Flame Retardant [Red phosphorous] 	Heat Stabilizer	
Features	Flame RetardantGood Electrical Properties	Good FlowHeat Stabilized	 High Rigidity Self Extinguishing
Agency Ratings	• EC 1907/2006 (REACH)		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Forms	Pellets		

· Injection Molding

ASTM & ISO Properties 1			
Physical	Nominal Value	Unit	Test Method
Density	1.45	g/cm³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (73°F)	1.66E+6	psi	ISO 527-2
Tensile Stress (Break, 73°F)	26100	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.5	%	ISO 527-2
Flexural Modulus (73°F)	1.52E+6	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179
-22°F	4.7	ft·lb/in²	
73°F	5.5	ft·lb/in²	
Notched Izod Impact Strength			ISO 180
-40°F	4.5	ft·lb/in²	
73°F	5.4	ft·lb/in²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (264 psi, Unannealed)	459	°F	ISO 75-2/A
Melting Temperature (DSC)	500	°F	ISO 3146



RTI Elec

0.03 in 0.06 in

0.12 in

0.06 in

0.12 in

RTI Imp 0.03 in 266 °F

266 °F 266 °F

239 °F

239 °F

239 °F

UL 746

UL 746

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Thermal		Nominal Value	Unit	Test Method
RTI Str				UL 746
0.03 in		302	°F	
0.06 in		302	°F	
0.12 in		302	°F	
Flammability		Nominal Value	Unit	Test Method
Flame Rating				UL 94
0.03 in		НВ		
0.06 in	•	V-0		
	•	5VA		
0.12 in	•	V-0		
	•	5VA		

Processing Information			
Injection	Nominal Value Unit		
Drying Temperature	176 °F		
Drying Time	2.0 to 4.0 hr		
Suggested Max Moisture	0.050 %		
Processing (Melt) Temp	545 to 572 °F		
Mold Temperature	176 to 194 °F		
Injection Pressure	508 to 1810 psi		
Injection Rate	Fast		

Notes



¹ Typical properties: these are not to be construed as specifications.