



Ultramid® 66 H2 G/25-V0KB1 BK3324

BASF Corporation - Polyamide 66

Monday, November 4, 2019

General Information

Product Description

Ultramid 66 H2 G/25-V0KB1 BK3324 is a 25% glass reinforced, heat stabilized injection molding grade. It's a V-0 self-extinguishing, based on red phosphorous. It offers good flowability, surface finish and good mechanical properties. It has excellent electrical properties.

General

Material Status	• Commercial: Active
Availability	• North America
Filler / Reinforcement	• Glass Fiber, 25% Filler by Weight
Additive	• Flame Retardant [Red phosphorous] • Heat Stabilizer
Features	• Flame Retardant • Good Flow • Heat Stabilized • Good Electrical Properties • Good Surface Finish • Self Extinguishing
Agency Ratings	• EC 1907/2006 (REACH)
RoHS Compliance	• RoHS Compliant
Appearance	• Black
Forms	• Pellets
Processing Method	• Injection Molding

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	1.35	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break, 73°F)	19600	psi	ISO 527-2
Tensile Strain (Break, 73°F)	2.5	%	ISO 527-2
Flexural Modulus (73°F)	1.09E+6	psi	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (73°F)	3.3	ft-lb/in ²	ISO 179
Notched Izod Impact Strength (73°F)	3.5	ft-lb/in ²	ISO 180
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			UL 746
0.030 in	266	°F	
0.06 in	266	°F	
0.12 in	266	°F	
RTI Imp			UL 746
0.030 in	239	°F	
0.06 in	239	°F	
0.12 in	239	°F	
RTI Str			UL 746
0.030 in	284	°F	
0.06 in	284	°F	
0.12 in	284	°F	

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Flammability	Nominal Value	Unit	Test Method
Flame Rating			UL 94
0.030 in		HB	
0.06 in		V-0	
0.12 in		V-0	

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.