

Ultramid® A3EG6 BK00564 Polyamide 66

Ultramid A3EG6 BK00564 is a 30% glass fiber reinforced, pigmented black, injection molding PA66 grade for machinery components and housings of high stiffness and dimensional stability.

Applications

Typical applications include lamp socket housings, cooling fans, insulating profile for aluminium window frames, and electrically insulating parts.

PHYSICAL	ISO Test Method	Property Value	
Density, g/cm ³	1183	1.36	
Moisture, %	62		
(50% RH)		1.7	
(Saturation)		5.5	
MECHANICAL	ISO Test Method	Dry	Conditioned
Tensile Modulus, MPa	527		
23 °C		9,550	-
Tensile stress at break, MPa	527		
23 °C		170	-
Tensile strain at break, %	527		
23 °C		2.5	-
Flexural Modulus, MPa	178		
23 °C		8,550	-
IMPACT	ISO Test Method	Dry	Conditioned
Charpy Notched, kJ/m²	179		
23 °C		7	-
THERMAL	ISO Test Method	Dry	Conditioned

Melting Point, °C	3146	260	-
HDT A, ° C	75	250	-
HDT B, ° C	75	260	-

Note

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BASF Corporation

Engineering Plastics
1609 Biddle Avenue
Wyandotte, MI 48192



General Information

800-BC-RESIN

Technical Assistance

800-527-TECH (734-324-5150)

Web address

<http://www.plasticsportal.com/usa>