AHG30-EH03B2

PA66 injection molding grade, 33% glass fiber reinforced, hydrolysis resistance, black color.

Property	Test Condition	Unit	Standard	Value	Value
Rheological properties				D.A.M.	Moisture Content
Molding shrinkage, parallel	60x60x2mm/MT 80°C	%	ISO 294	-	
Molding shrinkage, normal	60x60x2mm/MT 80°C	%	ISO 294	-	
Mechanical properties					
Tensile Strength at break	5 mm/min	MPa	ISO 527-1,-2	180	-
Elongation at break	5 mm/min	%	ISO 527-1,-2	2.2	-
Charpy notched impact strength	23°C	kJ/m²	ISO 179-1eA	7.3	-
Flexural modulus	2 mm/min	MPa	ISO 178	260	-
Flexural strength	2 mm/min	MPa	ISO 178	9900	-
Thermal properties					
Melting temperature	10°C/min	°C	ISO 11357-1,-3	260	
Temperature of deflection under load	1.8 MPa	°C	ISO 75-1,-2	250	
Burning behavior UL 94	1.6 mm	Class	UL 94	HB	
Other properties (23°C)					
Density		g/cm³	ISO 1183	1.38	
Glass fiber / glass bead / filler content		%	ISO 3451-1	33	
Processing contitions for test specimens					
Injection molding-Melt temperature		°C	ISO 294	260-290	
Injection molding-Mold temperature		°C	ISO 294	80-120	
Drying temperature		°C	-	80	
Drying time dry air dryer		h	-	2 - 6	

Disclaimer

Disclaimer for sales products

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Test values

Unless specified to the contrary, the values given have been established on standardized test specimens at room temperature. The figures should be regarded as guide values only and not as binding minimum values. Kindly note that, under certain conditions, the properties can be affected to a considerable extent by the design of the mould/die, the processing conditions and the colouring.

Processing note

Under the recommended processing conditions small quantities of decomposition product may be given off during processing. To preclude any risk to the health and well-being of the machine operatives, tolerance limits for the work environment must be ensured by the provision of efficient exhaust ventilation and fresh air at the workplace in accordance with the Safety Data Sheet. In order to prevent the partial decomposition of the polymer and the generation of volatile decomposition products, the prescribed processing temperaures should not be substantially exceeded. Since excessively high temperatures are generally the result of operator error of defects in the heating system, special care and controls are essential in these areas.