

BF160-B5

PA 6, injection molding grade, fast cycle time, high out-put, for general purpose application, black color.

Property	Test Condition	Unit	Standard	Value	Value
Rheological properties				D.A.M.	Moisture
Melt volume-flow rate	235 °C;5 kg	cm ³ /(10min)	ISO 1133	100	-
Molding shrinkage, parallel	60x60x2mm/MT 80°C	%	ISO 294	1.25	-
Molding shrinkage, normal	60x60x2mm/MT 80°C	%	ISO 294	1.31	-
Mechanical properties					
Tensile Stress at break	50 mm/min	MPa	ISO 527-1,-2	75	45
Tensile Strain at break	50 mm/min	%	ISO 527-1,-2	20	55
Charpy notched impact strength	23°C	kJ/m ²	ISO 179-1eU	5.0	17
IZOD notched impact strength	23°C	J/m	ISO 180-1A	45.0	150
Flexural modulus	2 mm/min	MPa	ISO 178	2800	1023
Flexural strength	2 mm/min	MPa	ISO 178	115	50
Thermal properties					
Melting temperature	10°C/min	°C	ISO 11357-1,-3	220	
Temperature of deflection under load	1.80 MPa	°C	ISO 75-1,-2	70	
Burning behavior UL 94	1.6 mm	Class	UL 94	V2	
Other properties (23°C)					
Density		g/cm ³	ISO 1183	1.13	
Water absorption (Saturation value)	23°C, in water	%		3.5	
Processing conditions for test specimens					
Injection molding-Melt temperature		°C	ISO 294	230 - 250	
Injection molding-Mold temperature		°C	ISO 294	80	
Drying temperature		°C	-	80	
Drying time dry air dryer		h	-	2 - 6	
Residual moisture content		%	Karl Fischer	<0.1	

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

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