

# Generic ABS - Glass Bead

Acrylonitrile Butadiene Styrene

Generic

Message:

This data represents typical values that have been calculated from all products classified as: Generic ABS - Glass Bead  
This information is provided for comparative purposes only.

General Information			
Filler / Reinforcement	Glass beads		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.06 - 1.38	g/cm³	ASTM D792
Molding Shrinkage - Flow (23°C)	0.40 - 0.70	%	ASTM D955
Water Absorption (23°C, 24 hr)	0.16 - 0.25	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2730 - 3450	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0 - 10	%	ASTM D638
Flexural Modulus (23°C)	2400 - 2970	MPa	ASTM D790
Flexural Strength (23°C)	49.3 - 62.7	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	45 - 130	J/m	ASTM D256
Unnotched Izod Impact (23°C)	270 - 800	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	80.6 - 99.0	°C	ASTM D648
Injection	Nominal Value	Unit	
Drying Temperature	80.0 - 82.2	°C	
Drying Time	2.0 - 9.0	hr	
Rear Temperature	210 - 252	°C	
Middle Temperature	229 - 252	°C	
Front Temperature	215 - 271	°C	
Processing (Melt) Temp	220 - 260	°C	
Mold Temperature	64.8 - 79.5	°C	
Injection instructions			

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Recommended distributors for this material

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