

# Nanjing Hongrui PA6 B304

Polyamide 6

Nanjing Hongrui Engineering Plastics Co., Ltd.

Message:

Nanjing Hongrui PA6 B304 is a Polyamide 6 (Nylon 6) material filled with 20% glass fiber. It is available in Asia Pacific. Primary attribute of Nanjing Hongrui PA6 B304: Flame Rated.  
Typical applications include:  
Engineering/Industrial Parts  
Automotive  
Electrical/Electronic Applications

General Information			
Filler / Reinforcement	Glass Fiber,20% Filler by Weight		
Uses	Automotive Applications		
	Bearings		
	Electrical/Electronic Applications		
	Machine/Mechanical Parts		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.28	g/cm <sup>3</sup>	ASTM D792
Molding Shrinkage - Flow	0.30	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	120	MPa	ASTM D638
Tensile Elongation (Break)	2.0	%	ASTM D638
Flexural Modulus	4800	MPa	ASTM D790
Flexural Strength	165	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (Area)	7.00	kJ/m <sup>2</sup>	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	215	°C	ASTM D648
Melting Temperature	225	°C	
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257
Dielectric Strength	20	kV/mm	ASTM D149
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94

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