

# NEXT PCR PA6 G33-300PCR

Polyamide 6

NEXT Specialty Resins, Inc.

## Message:

NEXT PCR PA6 G33-300PCR is a Polyamide 6 (Nylon 6) material filled with 33% glass fiber. It is available in North America for injection molding.

Important attributes of NEXT PCR PA6 G33-300PCR are:

Eco-Friendly/Green

Good Processability

High Strength

Typical application of NEXT PCR PA6 G33-300PCR: Furniture

General Information			
Filler / Reinforcement	Glass Fiber,33% Filler by Weight		
Recycled Content	Yes		
Features	Good Processability		
	High Strength		
Uses	Furniture		
Appearance	Black		
Forms	Pellets, Reprocessed		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.38	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR)	28 to 32	g/10 min	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	165	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	96	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	204	°C	ASTM D648

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