

# NEXT SIGNATURE PA6 GM40-300

Polyamide 6  
NEXT Specialty Resins, Inc.

Message:

NEXT SIGNATURE PA6 GM40-300 is a Polyamide 6 (Nylon 6) material filled with 40% glass\mineral. It is available in North America.

Important attributes of NEXT SIGNATURE PA6 GM40-300 are:

Good Dimensional Stability

Good Processability

Typical application of NEXT SIGNATURE PA6 GM40-300: Automotive

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Features	Good Dimensional Stability		
	Good Moldability		
Uses	Automotive Applications		
Appearance	Black		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	124	MPa	ASTM D638
Tensile Elongation (Break)	3.0	%	ASTM D638
Flexural Modulus	6890	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	53	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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