

# NYCOA Polyamide 6133 HS Black

Polyamide 612

Nycoa (Nylon Corporation of America)

Message:

NYCOA 6133 HS is a 33% glass fiber reinforced, Nylon 6/12 Alloy that offers an excellent balance of stiffness and impact strength. This grade features excellent dimensional stability, with significantly lower moisture absorption, compared to other glass filled Nylons.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Features	Good dimensional stability		
	Low hygroscopicity		
	Rigid, good		
	Impact resistance, good		
Appearance	Black		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.32	g/cm <sup>3</sup>	ASTM D792
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup>	142	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Break)	10	%	ASTM D638
Flexural Modulus <sup>3</sup>	6930	MPa	ASTM D790
Flexural Strength <sup>4</sup>	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	150	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	217	°C	DSC
Additional Information			
The value listed as Melting Point DSC, was tested in accordance with ASTM D789.			
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	50 mm/min		

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