

NYCOA Polyamide 6033 HS Black

Polyamide 612

Nycoa (Nylon Corporation of America)

Message:

NYCOA 6033 HS is a 33% glass fiber reinforced, Nylon 6/12 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	1.33	g/cm ³	ASTM D792
Water Absorption (24 hr)	0.10	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	122		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	140	MPa	ASTM D638
Tensile Elongation ² (Break)	10	%	ASTM D638
Flexural Modulus ³	6890	MPa	ASTM D790
Flexural Strength ⁴	190	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (6.35 mm)	130	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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Recommended distributors for this material

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