

# Nylux 33% GF Black

Polyamide 6

KMI Group, Inc.

## Message:

Nylux 33% GF Black is engineered specifically for applications requiring high stiffness, tensile strength and toughness, with good surface appearance. Nylux has been formulated to offer ease of processing in most standard thermoplastic processing equipment.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Features	Rigidity, high		
	High strength		
	Workability, good		
	Good toughness		
	Good appearance		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.39	g/cm <sup>3</sup>	ASTM D1505
Ash Content	33	%	ASTM D5630
Moisture	0.080	%	Internal method
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9860	MPa	ASTM D638
Tensile Strength (Yield)	152	MPa	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Flexural Strength	232	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	240	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	82	°C	
Drying Time	4.0	hr	
Mold Temperature	49 - 93	°C	

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