

Nylux 6G33XE

Polyamide 6

KMI Group, Inc.

Message:

Product Type: Economy Utility Grade
Composition: Recycled Nylon 6 with Glass Fiber

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 33% filler by weight		
Recycled Content	Yes		
Appearance	Black		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.29	g/cm ³	ASTM D792
Molding Shrinkage - Flow	1.2 - 1.8	%	ASTM D955
Water Absorption (Equilibrium)	1.3	%	ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8.96	MPa	ASTM D638
Tensile Strength (Yield)	0.131	MPa	ASTM D638
Tensile Elongation (Yield)	2.0	%	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	190	J/m	ISO 180
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	215	°C	ISO 75-2/B
1.8 MPa, not annealed	205	°C	ISO 75-2/A
Vicat Softening Temperature	210	°C	ISO 306/B50
Melting Temperature (DSC)	220	°C	ISO 3146
Flammability	Nominal Value	Test Method	
Flame Rating (0.8 mm)	HB	UL 94	
Injection	Nominal Value	Unit	
Drying Temperature	75 - 85	°C	
Drying Time	4.0 - 6.0	hr	
Suggested Max Regrind	20	%	
Processing (Melt) Temp	235 - 275	°C	
Mold Temperature	70 - 120	°C	
Back Pressure	0.300 - 0.500	MPa	

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China



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