

Envir® PA6G30HL-BK0701

Polyamide 6

Barnet

Message:

Envir® PA6G30HL-BK0701 is a 30% Glass fiber reinforced Nylon 6 molding resin, it is Heat stabilized and hydrolysis resistant. 6G30HL is optimized for properties and processibility. It is provided Black in color.

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Heat Stabilizer		
	Hydrolysis Resistant		
Features	Heat Stabilized		
	Hydrolysis Resistant		
Appearance	Black		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.37	g/cm ³	ASTM D792
Melt Volume-Flow Rate (MVR) (235°C/2.16 kg)	5.00	cm ³ /10min	ASTM D1238
Ash Content	30	%	ASTM D5630
Moisture Content	< 0.20	%	ASTM D6980
Granularity	3.50	g/100 pellets	
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10600	MPa	ISO 527-2
Tensile Stress (Break)	150	MPa	ISO 527-2
Tensile Strain (Break)	2.8	%	ISO 527-2
Flexural Modulus	9630	MPa	ISO 178
Flexural Stress	230	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	7.5	kJ/m ²	ISO 180/A
Unnotched Izod Impact Strength (23°C)	50	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	220	°C	ASTM D3418

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Recommended distributors for this material

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