

Polytron® A30B041

Polyamide 66

Polyram Ram-On Industries

Message:

30% LONG FIBER GLASS REINFORCED,PTFE LUBRICATED, UV STABILIZED BLACK NYLON 6.6 FOR INJECTION MOULDING APPLICATION.

General Information			
Filler / Reinforcement	Long Glass Fiber,30% Filler by Weight		
Additive	PTFE Lubricant		
	UV Stabilizer		
Features	Good UV Resistance		
	Lubricated		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792, ISO 1183
Water Absorption			
Saturation	3.4	%	ASTM D570
Saturation, 23°C	3.4	%	ISO 62
Equilibrium	1.0	%	ASTM D570
Equilibrium, 23°C, 50% RH	1.0	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	9200	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	170	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	2.5	%	ASTM D638, ISO 527-2
Flexural Modulus	9250	MPa	ASTM D790, ISO 178
Flexural Strength	250	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	22	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	65	kJ/m ²	ISO 179
Notched Izod Impact (23°C)	210	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Unannealed)	255	°C	ASTM D648, ISO 75-2/A
Melting Temperature	256	°C	ISO 11357-3, ASTM D3417
Flammability	Nominal Value	Test Method	
Flame Rating (3.00 mm)	HB	UL 94	

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