

Polytron® A40B02

Polyamide 66

Polyram Ram-On Industries

Message:

40% LONG FIBER GLASS REINFORCED BLACK NYLON 6.6 HEAT STABILIZED, UV STABILIZED FOR INJECTION MOULDING APPLICATION.

General Information			
Filler / Reinforcement	Long Glass Fiber,40% Filler by Weight		
Additive	Heat Stabilizer		
	UV Stabilizer		
Features	Good UV Resistance		
	Heat Stabilized		
RoHS Compliance	RoHS Compliant		
Appearance	Black		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm ³	ASTM D792, ISO 1183
Molding Shrinkage			
Flow	0.10 to 0.30	%	ASTM D955
--	0.10 to 0.30	%	ISO 2577
Water Absorption			
Saturation	3.4	%	ASTM D570
Saturation, 23°C	3.4	%	ISO 62
Equilibrium, 23°C, 50% RH	1.0	%	ISO 62, ASTM D570
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	13300	MPa	ASTM D638, ISO 527-2
Tensile Strength (Yield)	200	MPa	ASTM D638, ISO 527-2
Tensile Elongation (Break)	1.6	%	ASTM D638, ISO 527-2
Flexural Modulus	12500	MPa	ASTM D790, ISO 178
Flexural Strength	300	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	25	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	85	kJ/m ²	ISO 179
Notched Izod Impact			
23°C	300	J/m	ASTM D256
23°C	20	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (1.8 MPa, Unannealed)	255	°C	ASTM D648, ISO 75-2/A
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		UL 94

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