

# Polytron® A40B01

Polyamide 66

Polyram Ram-On Industries

## Message:

Polytron® A40B01 is a polyamide 66 (nylon 66) material containing 40% long glass fibers. This product is available in North America, Africa and the Middle East, Latin America, Europe or Asia Pacific. The processing method is injection molding. Polytron® The main characteristics of A40B01 are: heat stabilizer.

General Information			
Filler / Reinforcement	Long glass fiber, 40% filler by weight		
Additive	heat stabilizer		
Features	Thermal Stability		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.48	g/cm <sup>3</sup>	ISO 1183
Molding Shrinkage - Flow	0.22	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	10700	MPa	ASTM D638
Tensile Strength (Yield)	195	MPa	ASTM D638
Tensile Elongation (Break)	2.7	%	ASTM D638
Flexural Modulus	10700	MPa	ASTM D790
Flexural Strength (Yield)	295	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	220	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	255	°C	ISO 75-2/A
Additional Information			
The value listed as Density, ISO 1183, was tested in accordance with DIN 53479. The value listed as HDT A (1.8 Mpa), ISO 75A, was tested in accordance with DIN 53461.			
Injection	Nominal Value	Unit	
Drying Temperature	85.0	°C	
Drying Time	3.0	hr	
Rear Temperature	270 - 280	°C	
Middle Temperature	280 - 300	°C	
Front Temperature	285 - 310	°C	
Mold Temperature	65.0 - 110	°C	
Injection Pressure	70.0 - 125	MPa	
Holding Pressure	35.0 - 85.0	MPa	
Back Pressure	0.350 - 0.700	MPa	

Screw Speed	60 - 90	rpm
Injection instructions		

Fill Speed: 50 to 75 mm/sec

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Recommended distributors for this material


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