

Ecomass® 1007ZC85

Polyamide Copolymer

Ecomass Technologies

Message:

Ecomass®1007ZC85 is a polyamide copolymer (nylon copolymer) material that contains a tungsten filler. This product is available in North America and is processed by injection molding.

Ecomass®The main features of 1007ZC85 are:

- Copolymer
- Good toughness
- Good flexibility
- non-toxic

General Information			
Filler / Reinforcement	Tungsten packing		
Features	Ultra high toughness		
	Copolymer		
	Good flexibility		
	Non-toxic		
Uses	Radiation shielding		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	3.80	g/cm³	ISO 1183
Molding Shrinkage - Flow	1.0 - 1.2	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3170	MPa	ISO 527-2
Tensile Stress (Yield)	34.0	MPa	ISO 527-2
Tensile Strain (Break)	3.0	%	ISO 527-2
Flexural Modulus	3590	MPa	ISO 178
Additional Information			
Notched Izod Impact Strength, ISO 180, Notch A: 5.5 KJ/m			
Injection	Nominal Value	Unit	
Drying Temperature	75.0	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	230 - 250	°C	
Mold Temperature	65.0 - 80.0	°C	

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Recommended distributors for this material

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