

Ecomass® 1080BI64

Polyamide 12

Ecomass Technologies

Message:

Ecomass®1080BI64 is a polyamide 12 (nylon 12) material containing barium sulfate. This product is available in North America and is processed by injection molding.

Ecomass®The main features of 1080BI64 are:

Hard

Good toughness

non-toxic

General Information			
Filler / Reinforcement	Barium sulfate		
Features	Ultra high toughness		
	Non-toxic		
	Medium hardness		
Uses	Radiation shielding		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.00	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.70 - 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4480	MPa	ASTM D638
Tensile Strength	41.4	MPa	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Modulus	3790	MPa	ASTM D790
Flexural Strength	62.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	110	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	121	°C	ASTM D648
1.8 MPa, not annealed	107	°C	ASTM D648
Additional Information			
Tensile Elongation @ Brk, ASTM D638: 4 to 5 %			
Injection	Nominal Value	Unit	
Drying Temperature	73.9	°C	
Drying Time	4.0	hr	
Processing (Melt) Temp	204 - 254	°C	
Mold Temperature	57.2 - 82.2	°C	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519
Phone: +86 13424755533
Email: sales@su-jiao.com
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

