

Ecomass® 720ZC85

Acrylonitrile Butadiene Styrene

Ecomass Technologies

Message:

Ecomass® 720ZC85 is an Acrylonitrile Butadiene Styrene (ABS) material filled with stainless steel powder. It is available in North America for injection molding.

Important attributes of Ecomass® 720ZC85 are:

Good Toughness

Rigid

General Information			
Filler / Reinforcement	Stainless Steel Powder		
Features	Good Toughness		
	High Specific Gravity		
	Medium Rigidity		
	Platable		
Uses	Radiation Shielding		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	4.00	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	19.0	MPa	ASTM D638
Tensile Elongation (Break)	1.1	%	ASTM D638
Flexural Modulus	8630	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	59	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature	71.1 to 82.2	°C	
Drying Time	2.0 to 4.0	hr	
Processing (Melt) Temp	204 to 249	°C	
Mold Temperature	26.7 to 48.9	°C	

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Recommended distributors for this material

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