

Ecomass® 720ZD91

Acrylonitrile Butadiene Styrene

Ecomass Technologies

Message:

Ecomass® 720ZD91 is an Acrylonitrile Butadiene Styrene (ABS) material filled with tungsten. It is available in North America for injection molding.

Important attributes of Ecomass® 720ZD91 are:

Good Toughness

Rigid

General Information			
Filler / Reinforcement	Tungsten		
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	7.00	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	16.5	MPa	ASTM D638
Tensile Elongation (Break)	1.1	%	ASTM D638
Flexural Modulus	8960	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	53	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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