

Ecomass® 3608TU96

High Density Polyethylene

Ecomass Technologies

Message:

Ecomass® 3608TU96 is a high-density polyethylene material, which contains tungsten filler. This product is available in North America and is processed by compression molding or injection molding.

Ecomass® The main features of 3608TU96 are:

Hard

Good toughness

non-toxic

General Information			
Filler / Reinforcement	Tungsten packing		
Features	High specific gravity		
	High density		
	Good toughness		
	Non-toxic		
	Medium hardness		
Uses	Radiation shielding		
Forms	Particle		
Processing Method	Compression molding		
	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	11.0	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 - 1.0	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness	94		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	2350	MPa	ASTM D638
Tensile Strength	5.78	MPa	ASTM D638
Tensile Elongation (Break)	5.5	%	ASTM D638
Flexural Modulus	1970	MPa	ASTM D790
Flexural Strength	14.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	132	°C	ASTM D648
1.8 MPa, not annealed	121	°C	ASTM D648
Additional Information			

Surface Resistivity, ASTM D257: 0.2 ohms/sq

Injection	Nominal Value	Unit
Processing (Melt) Temp	177 - 227	°C
Mold Temperature	21.1 - 65.6	°C

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Recommended distributors for this material

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