

Ecomass® 4703TU95

Thermoplastic Polyurethane Elastomer

Ecomass Technologies

Message:

Ecomass®4703TU95 is a thermoplastic polyurethane elastomer material containing tungsten filler. This product is available in North America and is processed by injection molding.

Ecomass®The main features of 4703TU95 are:

Good toughness

Good flexibility

non-toxic

General Information			
Filler / Reinforcement	Tungsten packing		
Features	Ultra high toughness		
	High specific gravity		
	Good flexibility		
	Non-toxic		
Uses	Radiation shielding		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	11.0	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.30 - 0.50	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	668	MPa	ASTM D638
Tensile Strength	11.9	MPa	ASTM D638
Tensile Elongation (Break)	12	%	ASTM D638
Flexural Modulus	800	MPa	ASTM D790
Flexural Strength	23.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	270	J/m	ASTM D256
Additional Information			
Surface Resistivity, ASTM D257: 0.2 ohms/sq			
Injection	Nominal Value	Unit	
Drying Temperature	71.1 - 93.3	°C	
Drying Time	2.0	hr	
Processing (Melt) Temp	204 - 221	°C	
Mold Temperature	10.0 - 26.7	°C	

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Recommended distributors for this material

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