

Ecomass® 4301TU74

Polyphthalamide
Ecomass Technologies

Message:

Ecomass®4301TU74 is a polyxylylene amide (PPA) material, containing a tungsten filler. This product is available in North America and is processed by injection molding.

Ecomass®The main features of 4301TU74 are:

Hard

Good toughness

non-toxic

General Information			
Filler / Reinforcement	Tungsten packing		
Features	Good toughness		
	Non-toxic		
	Medium hardness		
Uses	Radiation shielding		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	3.80	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.50 - 0.70	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	4410	MPa	ISO 527-2
Tensile Stress (Yield)	82.0	MPa	ISO 527-2
Tensile Strain (Break)	3.6	%	ISO 527-2
Flexural Modulus	4170	MPa	ISO 178
Additional Information			
Notched Izod Impact Strength, ISO 180, Notch A: 6 KJ/m			
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	4.0 - 8.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	310 - 330	°C	
Mold Temperature	250 - 280	°C	

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Recommended distributors for this material

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