

Ecomass® 4703BI74

Polyurethane

Ecomass Technologies

Message:

Ecomass® 4703BI74 is a Polyurethane material. It is available in North America for injection molding.

Important attributes of Ecomass® 4703BI74 are:

Good Flexibility

Non-Toxic

General Information			
Features	Good Flexibility		
	Medium Density		
	Non-Toxic		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	2.59	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.60 to 0.80	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	552	MPa	ASTM D638
Tensile Strength	19.3	MPa	ASTM D638
Tensile Elongation (Break)	200	%	ASTM D638
Flexural Modulus	172	MPa	ASTM D790
Flexural Strength	44.1	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	240	J/m	ASTM D256
Injection	Nominal Value	Unit	
Drying Temperature - Desiccant Dryer	82.2	°C	
Drying Time - Desiccant Dryer	2.0	hr	
Drying Time, Maximum	4.0	hr	
Processing (Melt) Temp	204 to 221	°C	
Mold Temperature	10.0 to 26.7	°C	
Injection Rate	Moderate-Fast		
Back Pressure	0.103 to 0.172	MPa	
Screw Speed	100 to 250	rpm	
Clamp Tonnage	3.4 to 5.5	kN/cm ²	
Cushion	6.35 to 12.7	mm	
Screw L/D Ratio	20.0:1.0		
Screw Compression Ratio	2.5:1.0		

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Recommended distributors for this material

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