

## Ecomass® 4703ZB92 Filled Polyurethane

Category : Polymer , Thermoplastic , Polyurethane, TP

**Material Notes:**

Nontoxic alternative to Lead (Pb), radiation shielding applications Moderate Specific Gravity Filled Polyurethane (TPU) Base Resin Flexible Information provided by Technical Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ecomass-4703ZB92-Filled-Polyurethane.php](http://www.lookpolymers.com/polymer_Ecomass-4703ZB92-Filled-Polyurethane.php)

Physical Properties	Metric	English	Comments
Specific Gravity	6.90 g/cc	6.90 g/cc	ASTM D792
Linear Mold Shrinkage	0.0030 - 0.0050 cm/cm	0.0030 - 0.0050 in/in	ASTM D955

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	11.0 MPa	1600 psi	ASTM D638
Elongation at Break	15 %	15 %	ASTM D638
Tensile Modulus	0.669 GPa	97.0 ksi	ASTM D638
Flexural Strength	20.7 MPa	3000 psi	ASTM D790
Flexural Modulus	0.448 GPa	65.0 ksi	ASTM D790
Izod Impact, Notched	1.60 J/cm	3.00 ft-lb/in	ASTM D256

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 221 °C	400 - 430 °F	
Mold Temperature	10.0 - 26.7 °C	50.0 - 80.0 °F	
Drying Temperature	93.3 °C	200 °F	then reduce to 160°F
Dry Time	2 hour	2 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215, Fengxian District, Shanghai City, China