

## Ecomass® 705ZD70 Tungsten Filled ABS

Category : Polymer , Thermoplastic , ABS Polymer

**Material Notes:**

Nontoxic Alternative to Lead (Pb) for radiation shielding applications  
High specific Gravity  
Tungsten Filled ABS compound  
Rigid  
Good Toughness  
Information provided by Technical Polymers

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Ecomass-705ZD70-Tungsten-Filled-ABS.php](http://www.lookpolymers.com/polymer_Ecomass-705ZD70-Tungsten-Filled-ABS.php)

Physical Properties	Metric	English	Comments
Specific Gravity	3.00 g/cc	3.00 g/cc	ISO 1183
Linear Mold Shrinkage	0.0040 - 0.0060 cm/cm	0.0040 - 0.0060 in/in	Internal

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	30.0 MPa	4350 psi	ISO 527
Flexural Modulus	2.90 GPa	421 ksi	ISO 178
Izod Impact, Notched (ISO)	6.00 kJ/m <sup>2</sup>	2.86 ft-lb/in <sup>2</sup>	ISO 180-A

Processing Properties	Metric	English	Comments
Melt Temperature	249 - 288 °C	480 - 550 °F	
Mold Temperature	37.8 - 65.6 °C	100 - 150 °F	
Drying Temperature	71.1 - 82.2 °C	160 - 180 °F	
Dry Time	2 - 4 hour	2 - 4 hour	

## Contact Songhan Plastic Technology Co.,Ltd.

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