



# Resinoid Engineering Corporation

Compound  
Number  
1550

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Resinoid 1550 is a milled glass and mineral reinforced, two-step phenolic molding compound offering good mechanical properties. This product has been specifically formulated at a 2.47 specific gravity. This material comes in pelletized form and is suitable for injection, transfer or compression molding. It can be preformed on automatic equipment.

<u>MATERIAL PROPERTIES</u>	ASTM	ISO	US UNIT	SI UNIT
FORM			PELLET	PELLET
COLOR			BLACK	BLACK
SHRINKAGE-MOLDED (POSITIVE MOLD)	D955	2577	0.001 in/in	0.1%
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	2.47	2.47 <sub>23</sub> <sup>23</sup>
FLEXURAL STRENGTH	D790	178	10,750 psi	74 MPa
MODULUS IN FLEX	D790	178	2.0x10 <sup>6</sup> psi	1.4x10 <sup>4</sup> MPa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	0.70 ft-lb/in	3.78 kJ/m <sup>2</sup>
COMPRESSIVE STRENGTH	D695	604	31,500 psi	217 MPa

The above values are typical of standard procedures such as ASTM. No assurance is given that the above data will be duplicated. Results can be affected by many variables including part design, storage and mold design. NO GUARANTEE, WARRANTY or REPRESENTATION, express or implied, is made for the performance or stability of Resinoid molding materials. Each user must conduct their own tests to determine the suitability of Resinoid molding materials for their particular application.