



Resinoid Engineering Corporation

Compound
Number
1371

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Resinoid 1371 is a glass reinforced, two-step phenolic molding compound offering good mechanical and electrical properties. This product has been specifically formulated for applications requiring prolonged exposure to elevated temperatures and resistance to thermal shocks. 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
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	1.85	1.85 ₂₃ ²³
WATER ABSORPTION (24 HR. R.T.)	D570	62-1	0.15%	0.15%
TENSILE STRENGTH	D651	R527-3	7,566 psi	52 MPa
FLEXURAL STRENGTH	D790	178	13,000 psi	90 MPa
MODULUS IN FLEX	D790	178	2.3x10 ⁶ psi	1.6x10 ⁴ MPa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	1.1 ft-lb/in	5.78 kJ/m ²
COMPRESSIVE STRENGTH	D695	604	27,000 psi	184 MPa
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	250 V/mil	10 kV/m ²
<u>THERMAL PROPERTIES</u>				
DEFLECTION TEMPERATURE	D648	75A	>630°F @ 264 psi	>332°C @ 1.8 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.