



Resinoid Engineering Corporation

Compound
Number
1360HR

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Resinoid 1360HR is a glass reinforced, two-step phenolic molding compound. It exhibits outstanding impact strength, electrical and thermal properties. It is particularly suitable for high temperature and strength applications. This material comes in pelletized form and is suitable for 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	1.75	1.75 ₂₃ ²³
WATER ABSORPTION (24 HR. R.T.)	D570	62-1	0.35%	0.35%
TENSILE STRENGTH	D651	R527-3	9,800 psi	68 MPa
FLEXURAL STRENGTH	D790	178	20,000 psi	138 MPa
MODULUS IN FLEX	D790	178	2.2x10 ⁶ psi	1.5x10 ⁴ Mpa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	2.25 ft-lb/in	11.82KJ/m ²
COMPRESSIVE STRENGTH	D695	604	24,500 psi	169 MPa
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	275 V/mil	11 kV/m ²
<u>THERMAL PROPERTIES</u>				
DEFLECTION TEMPERATURE	D648	75A	>680°F @ 264 psi	>360°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.