



Resinoid Engineering Corporation

Compound
Number
1505

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Resinoid 1505 is a milled glass reinforced, two-step phenolic molding compound offering good mechanical and electrical properties. This product has been specifically formulated for electrical applications where very low post-molded shrinkage is desired. This material comes in granular 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			GRANULAR	GRANULAR
COLOR			GREEN	GREEN
SHRINKAGE-MOLDED (POSITIVE MOLD)	D955	2577	0.001 in/in	0.1%
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	1.86	1.86 ₂₃ ²³
TENSILE STRENGTH	D651	R527-3	5,570 psi	38.6 MPa
FLEXURAL STRENGTH	D790	178	14,100 psi	97.6 MPa
MODULUS IN FLEX	D790	178	2.3x10 ⁶ psi	1.6x10 ⁴ MPa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	0.45 ft-lb/in	2.37 kJ/m ²
COMPRESSIVE STRENGTH	D695	604	36,500 psi	253 MPa
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	330 V/mil	13.2 kV/m ²
ARC RESISTANCE	D495		180 sec	180 sec

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.