



Resinoid Engineering Corporation

Compound
Number
2005

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Resinoid 2005 is a cellulose reinforced, two-step phenolic molding compound. It exhibits excellent electrical and thermal properties and dimensional stability. 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
SHRINKAGE-MOLDED (POSITIVE MOLD)	D955	2577	0.002-0.004 in/in	0.2-0.4%
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	1.38-1.40	1.38-1.40 ₂₃ ²³
WATER ABSORPTION (24 HR. R.T.)	D570	62-1	<1%	<1%
TENSILE STRENGTH	D651	R527-3	6,000 psi	41 MPa
FLEXURAL STRENGTH	D790	178	10,000 psi	69 MPa
MODULUS IN FLEX	D790	178	1.2x10 ⁶ psi	8.2x10 ³ MPa
COMPRESSIVE STRENGTH	D695	604	20,000 psi	138 MPa
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	>250 V/mil	>9.8 kV/m ²

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.