



Resinoid Engineering Corporation

Compound
Number
1365

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Resinoid 1365 is a glass reinforced, two-step phenolic molding compound offering excellent mechanical strength as well as good electrical and thermal characteristics. This material is offered as a moderate size pellet suitable for compression and transfer molding. It can be used in injection molding systems with deep flight screws.

<u>MATERIAL PROPERTIES</u>	ASTM	ISO	US UNIT	SI UNIT
FORM			PELLET	PELLET
COLOR			BLACK	BLACK
SHRINKAGE MOLDED (POSITIVE MOLD)	D955	2577	0.001-0.002 in./in.	0.1%-0.2%
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	1.70	1.70 ₂₃ ²³
TENSILE STRENGTH	D651	R527-3	8,000 psi	55 MPa
FLEXURAL STRENGTH	D790	178	17,000 psi	117 MPa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	3.0 ft-lb/in	15.76 kJ/m ²
COMPRESSIVE STRENGTH	D695	604	30,000 psi	207 MPa
<u>THERMAL PROPERTIES</u>				
DEFLECTION TEMPERATURE	D648	75A	600° F	315° C
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	330 V/mil	13 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.