



Resinoid Engineering Corporation

Compound
Number
1322

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Resinoid Compound 1322 is a glass reinforced, two step molding compound. It may be preformed. Recommended for transfer, injection or compression molding.

<u>MATERIAL PROPERTIES</u>	ASTM	ISO	US UNIT	SI UNIT
FORM			PELLET	PELLET
BULK FACTOR	D1895	171	2-3	2-3
COLOR			BLACK	BLACK
SHRINKAGE-MOLDED (POSITIVE MOLD)	D955	2577	0.002 in/in	0.2%
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	2.0	2.0 ₂₃ ²³
WATER ABSORPTION (24 HR. R.T.)	D570	62-1	0.1%	0.1%
TENSILE STRENGTH	D651	R527-3	9,300 psi	64 MPa
FLEXURAL STRENGTH	D790	178	12,800 psi	88 MPa
MODULUS IN FLEX	D790	178	2.2x10 ⁶ psi	1.5x10 ⁴ MPa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	0.9 ft-lb/in	4.73 kJ/m ²
COMPRESSIVE STRENGTH	D695	604	25,500 psi	176 MPa
HARDNESS, ROCKWELL	D785	2039-2	E90/M110	M110
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	240 V/mil	9.4 kV/m ²
ARC RESISTANCE	D495		190 sec	190 sec
<u>THERMAL PROPERTIES</u>				
DEFLECTION TEMPERATURE	D648	75A	550°F @ 264 psi	288°C @ 1.8 MPa
COEFFICIENT OF THERMAL EXPANSION	D696		14.6x10 ⁻⁶ in/in/°F	3.7x10 ⁻⁵ mm/mm/°C
FLAME RESISTANCE	UL94		94 V-0 (1/32")	

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.