



Resinoid Engineering Corporation

Compound
Number
2101

7557 N. ST. LOUIS AVE . SKOKIE, IL 60076. PHONE (847) 673-1050 . FAX (847) 673-2160 . WWW.RESINOID.COM

Resinoid 2101 is an organic fiber reinforced, two-step phenolic molding compound. It was specifically developed for molded parts requiring nominal mechanical strengths and excellent electrical properties. This material comes in pelletized form and in grades suitable for injection, transfer or compression molding.

<u>MATERIAL PROPERTIES</u>	ASTM	ISO	US UNIT	SI UNIT
FORM			PELLET	PELLET
COLOR			BLACK	BLACK
SHRINKAGE-MOLDED (POSITIVE MOLD)	D955	2577	0.004 in/in	0.4%
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	1.46	1.46 ₂₃ ²³
TENSILE STRENGTH	D651	R527-3	9,000 psi	62 MPa
FLEXURAL STRENGTH	D790	178	12,000 psi	83 MPa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	0.4 ft-lb/in	2.10 kJ/m ²
COMPRESSIVE STRENGTH	D695	604	29,500 psi	203 MPa
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	385 V/mil	15.2 kV/mm
ARC RESISTANCE	D495		195 sec	195 sec
<u>THERMAL PROPERTIES</u>				
FLAME RESISTANCE (1/4")	UL94		94 V-0	

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.