



Resinoid Engineering Corporation

Compound
Number
1528

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

Resinoid 1528 is a glass and mineral reinforced, two-step phenolic molding compound offering good mechanical properties. This product has been specifically formulated for use in automotive applications. This material comes in pelletized form and is suitable for injection, transfer or compression molding. It can be performed 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	0.001 in/in	0.1%
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	1.81	1.81 ₂₃ ²³
FLEXURAL STRENGTH	D790	178	15,037 psi	104 MPa
MODULUS IN FLEX	D790	178	2.3x10 ⁶ psi	1.6x10 ⁴ MPa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	0.48 ft-lb/in	2.58 kJ/m ²
COMPRESSIVE STRENGTH	D695	604	32,406 psi	223 MPa
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	302 V/mil	11.8 kV/mm
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.