



# Resinoid Engineering Corporation

Compound  
Number  
2020

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Resinoid 2020 is a fabric reinforced, two-step phenolic molding compound. It exhibits excellent moldability in transfer molding. It possesses excellent dimensional stability and impact strength properties. It is available in bulk form and is recommended for compression or transfer molding.

<u>MATERIAL PROPERTIES</u>	ASTM	ISO	US UNIT	SI UNIT
FORM			CHOPPED FABRIC	CHOPPED FABRIC
BULK FACTOR	D1895	171	10-12	10-12
SHRINKAGE-MOLDED (POSITIVE MOLD)	D955	2577	0.0025-0.0035 in/in	0.25%-0.35%
MOLDING PRESSURE –COMPRESSION			2,000-4,000 psi	14-28 MPa
MOLDING TEMPERATURE	D957		300-350°F	150-175°C
COLOR			BLACK	BLACK
<u>MECHANICAL AND PHYSICAL PROPERTIES</u>				
SPECIFIC GRAVITY	D792A	1183	1.40	1.40 <sub>23</sub> <sup>23</sup>
WATER ABSORPTION (24 HR. R.T.)	D570	62-1	0.5%	0.5%
TENSILE STRENGTH	D651	R527-3	7,000 psi	48 MPa
IMPACT (IZOD, NOTCHED)	D256A	180/2A	2.1 ft-lb/in	11.03 kJ/m <sup>2</sup>
COMPRESSIVE STRENGTH	D695	604	23,000 psi	159 MPa
<u>ELECTRICAL PROPERTIES</u>				
DIELECTRIC STRENGTH (S.T.) DRY	D149	IEC243	220 V/mil	8.7 kV/mm
<u>THERMAL PROPERTIES</u>				
DEFLECTION TEMPERATURE	D648	75A	400°F	205°C

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.