



## PRODUCT DATA SHEET

**PRODUCT SERIES:** S70 SERIES SMC  
**PRODUCT DESCRIPTION:** ELECTRICAL GRADE (HALOGENATED)-UL RECOGNIZED  
 (UL FILE NO.E84051)

| PROPERTIES   | GLASS CONTENT 22% |                 |
|--|-------------------|-----------------|
|  | IMPERIAL          | SI              |
| Impact Strength-Izod Notched<br>Test Method: ASTM D-256          | 14.0 ft.lb./in.   | 747 J/m         |
| Impact Strength-Izod Unnotched<br>Test Method: ASTM D-4812       | 17.0 ft.lb./in.   | 907 J/m         |
| Flexural Strength<br>Test Method: ASTM D-790                     | 20,000 psi        | 138 MPa         |
| Tensile Strength<br>Test Method: ASTM D-638                      | 10,000 psi        | 69 MPa          |
| Compressive Strength<br>Test Method: ASTM D-695                  | 25,000 psi        | 172 MPa         |
| Water Absorption (24 Hrs @ 23C)<br>Test Method: ASTM D-570       | .20-.30%          | .20-.30%        |
| Barcol Hardness<br>Test Method: ASTM D-2583                      | 50-60             | 50-60           |
| Heat Distortion Temp @ 264 psi<br>Test Method: ASTM D-648        | >400 F            | >204 C          |
| Specific Gravity (+/- .03)<br>Test Method: ASTM D-792            | 1.80 -1.90        | 1.80 -1.90      |
| Shrinkage<br>Test Method: ASTM D-955                             | .001-.003 in./in. | .001-.003 mm/mm |
| Flammability @ 1.47 mm thickness<br>Test Method: UL 94 V0        | UL 94 V0          | UL 94 V0        |
| Oxygen Index<br>Test Method: ASTM D-2863                         | 32.0              | 32.0            |
| Arc Resistance (Sec.)<br>Test Method: ASTM D-495                 | 180+              | 180+            |
| Ignition Temperature<br>Test Method: UL Test Method              | 968 F             | 520 C           |
| Track Resistance<br>Test Method: Incline Plane                   | 820               | 820             |
| Dielectric Strength (S.T., Perp, VPM)<br>Test Method: ASTM D-149 | 550               | 550             |

The information contained herein and in the data sheets is offered as a guide only. Since the values achieved in actual parts depend considerably on the part design and on the conditions of moulding and testing, no guarantee is implied regarding properties to be obtained in specific tests; the user is urged to make his own tests and judge for himself the suitability of the material for his use. Jet Moulding Compounds assumes no liability, either expressed or implied, for infringement of any patent by the manufacture, sale or use of articles moulded from its material.