



iNVENTA 615UL Material

Description: iNVENTA 615UL is a non-halogenated fiberglass reinforced thermoset SMC material. This proprietary SMC was specially formulated by MFG for applications where non-flammability is crucial.

Properties	Values (Metric)	Values (English)	Test Method
Tensile Strength	51 MPa.	7,397 psi	D-638
Tensile Modulus	10,982 MPa.	1.59 X 10 ⁶ psi	D-638
Flex Strength	140 MPa.	20,305 psi	D-790
Flex Modulus	10,607 MPa.	1.54 X 10 ⁶ psi	D-790
Izod Impact	624 J/m.	11.7 ft-lbs/in	D-256A
Shrinkage mils/in (in/in)		-1.34 (-0.0013)	MFG Research 2514
Specific Gravity	1.96	1.96	D-792
Glass Content %	22	22	D-2584
Flammability: UL Certification 94-5V @ 0.050			Certified
Moisture Absorption %	0.46	0.46	D-570

Approvals/Certifications:

- UL 94-5V Approved.



Applications: HVAC components such as condensate pans, HVAC bases and blower housings. Electrical utility equipment. Automotive structural components. Other applications where fire retardant characteristics are essential.

MFG offers a number of UL-approved formulations specifically designed for various applications, and also support customer applications for specific UL approvals. Our engineering and R&D laboratory is available to assist with evaluation, testing and certification of material options that will result in the performance target you desire.

The values presented in this data sheet are typical values and are not to be interpreted as product specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, express or implied. Data were obtained from laboratory test plaques and do not necessarily represent the values that will be attained on molded part.

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