



iNVENTA 515 Material

Properties	Values (Metric)	Values (English)	Test Method
Tensile Strength	62 MPa.	8,500 psi	D-638
Tensile Modulus	10,135 MPa.	1.47 X 10 ⁶ psi	D-638
Flex Strength	172 MPa.	24,500 psi	D-790
Flex Modulus	10,342 MPa.	1.50 X 10 ⁶ psi	D-790
Izod Impact	694 J/m.	13 ft-lbs/in	D-256A
Un-notched Izod	1015 J/m.	19 ft-lbs/in	D-4812
% Elongation	1.5	1.5	D-638
Shrinkage mils/in	-1.4	-1.4	ICOM 210-MIX-003
Specific Gravity	1.73	1.73	D-792
Glass Content %	22	22	D-2584
Flammability: UL-Recognized 94-5V @ 0.050			MFG Internal Test (2201)
Rockwell Hardness	78	78	D-785
Heat Deflection TemperatureC	>300	>300	D-648
Moisture Absorption %	0.13	0.13	D-570

Approvals/Certifications:

- UL 94-5V Recognized

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-recognized formulations specifically designed for various applications. 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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