

A moderate strength material specifically formulated for microwave oven performance.

Property	Test Method, Unit	Properties	Test Method, Unit	Properties
Physical and Mechanical Properties				
Impact Strength	ASTM D256, FT- LBS/IN	3 – 4	ISO-179, kJ/m ²	15 – 20
Flexural Strength	ASTM D790, PSI	13 – 15,000	ISO-178, MPa	90 – 103
Flexural Modulus	ASTM D790, 10 ⁶ PSI	--	ISO-178, GPa	--
Tensile Strength	ASTM D638, PSI	5 – 6,000	ISO-527, MPa	34 – 41
Compressive Strength	ASTM D695, PSI	18 – 20,000	ISO-604, MPa	124 – 138
Water Absorption	ASTM D570, %	0.07	ISO-62, %	0.07
Specific Gravity	ASTM D792, G/CM ³	1.90	ISO-1183, --	1.90
Shrinkage	ASTM D955, IN/IN	0.0005 – 0.0015	ISO-2577, %	0.05 – 0.15
Hardness	ASTM D2583, Barcol	25 – 35	ASTM D2583, Barcol	25 – 35
Bulk Factor App.	ASTM D1895, --	1	ASTM D1895, --	1
Electrical Properties				
Dielectric Strength	ASTM D149, kV/in	--	ISO-243, kV/mm	--
Arc Resistance	ASTM D495, Seconds	--	ASTMD495, Seconds	--
Thermal & Flame Retardant Properties				
Heat Deflection Temperature @ 264PSI	ASTM D648, °F	> 500	ISO-75, °C	> 260
Flame Resistance				
@ 1.5 mm		--		--
@ 3.0 mm	UL94	--	UL94	--
@ 6.0 mm		--		--

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