

Material Specifications PP

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	SIMONA® VERSADUR® PP-H 500 Natural	SIMONA® VERSADUR® PP-H 520 White	SIMONA® VERSADUR® PP-C 570 Natural	SIMONA® VERSADUR® PP-C 590 Black	SIMONA® PP-C	SIMONA® PP-DWST	SIMONA® PP-DWU AlphaPlus®
Density, D-792, g/cc	0.905	0.915	0.910	0.915	0.910	0.905	0.915
Tensile Strength at yield, D-638, psi	4,700	4,700	3,000	3,200	3,700	4,700	4,800
Tensile Modulus, D-638, psi	190,000	190,000	155,000	155,000	170,000	200,000	240,000
Izod Impact (notched), D-256, ft.lbs./in.	0.8	0.8	14.0	14.0		0.8	1.2
Shore Hardness, ISO 868	70	72	65	66	67	70	72
Coefficient of Thermal Expansion, D-696, in./in./°C	1.6×10^{-4}	1.6×10^{-4}	1.6×10^{-4}	1.6×10^{-4}	1.6×10^{-4}	1.6×10^{-4}	1.6×10^{-4}
Temperature Range, °F	+32 to +212	+32 to +212			-4 to +176	+32 to +212	+32 to +212
FDA regulations 21 Chapter 1, part 177.2510 for contact with food stuffs	yes	yes	yes			yes	yes

Data from backed material based on basic material. Data and information used the preparation of this sheet have been obtained from controlled laboratory procedures and/or carefully documented empirical observations. As such, they may not be applicable to all uses and conditions. The reader is advised that no guarantees, written or implied, including guarantees as to the fitness for a particular purpose or use, are to be construed from this bulletin. Persons with questions as to the applicability of this material, or SIMONA AMERICA products to specific uses or situations are urged to contact our customer service department.