

RenShape® Modeling & Tooling Board Specifications

	Hardness Shore D	Density (g/cc)	Density (lbs/ft.3)	Tensile Strength (psi)	Compressive Strength (psi)	Compressive Modulus Elasticity (psi)	Flexural Strength (psi)	Flexural Modulus (psi)	Glass Transition Temp (°F)	Coefficient Thermal Expansion (in/in/°F)	Color
Modeling & Styling Boards											
RenShape 5020	27	0.16	10	370	260	-	330	-	-	-	Lt. Gray
RenShape 5025	27	0.25	15	800	800	-	-	-	-	47.0 x 10-6	Lt. Green
RenShape 5030	30-35	0.3	20	-	1,000	-	1,000	40,000	-	-	Peach
RenShape 5045	42	0.48	30	1,400	1,700	-	2,000	64,000	210	32.2 x 10-6	Brown
RenShape 440	54	0.55	34	1,300	1,400	105,000	2,300	106,000	203	34.4 x 10-6	Red. Brown
RenShape 5440	55	0.56	35	1,300	1,400	105,000	2,300	106,000	203	34.4 x 10-6	Lt. Brown
RenShape 450	65	0.66	41	2,300	2,800	135,000	4,000	144,000	205	36.0 x 10-6	Lt. Brown
RenShape 5460	58	0.7	43	1,886	2,075	127,000	3,200	152,000	187	34.4 x 10-6	Lt. Brown
RenShape 460	64	0.77	48	1,800	2,200	181,000	3,700	185,000	219	29.9 x 10-6	Lt. Brown
RenShape 5003	60-64	0.54	34	2,900	3,700	185,000	3,400	188,000	182	32.0 x 10-6	Tan
Tooling & High-Temperature Work Boards											
RenShape 470	90	1.67	104	4,700	9,500	866,000	8,700	983,000	232	22.7 x 10-6	Lt. Gray
RenShape 472	81	0.88	55	7,000	10,900	460,000	9,540	416,000	248	25.8 x 10-6	Lt. Gray
RenShape 473	70-75	0.8	50	2,500	3,500	210,000	4,000	200,000	212	30 x 10-6	Lt. Gray
RenShape 550	82	0.85	53	7,000	10,500	415,000	8,800	414,000	289	27.5 x 10-6	Cream
RenShape 5166	90	1.66	103	4,875	9,500	840,000	8,000	965,000	228	22.0 x 10-6	Cream
RenShape 5169	85	1.2	75	9,000	8,800	366,000	14,000	380,000	206	40.8 x 10-6	Red
RenShape 5008	68	0.67	42	3,500	8,200	350,000	4,600	350,000	287	18.0 x 10-6	Lt. Blue
RenShape 2000	91	1.8	112	9,000	36,500	900,000	12,000	1,200,000	455	21.0 x 10-6	Gray
ASTM	D-2240	D-792	D-792	D-638	D-695	D-695	D-790	D-790	D-4065	D-3386	

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