



TOOLING PLANK PHYSICAL PROPERTIES COMPARISON CHART



TESTED BY AN INDEPENDENT CERTIFIED LABORATORY

TOOLING PLANK	COLOR	SHORE D HARDNESS 75° F	DENSITY LBS/FT ³	FLEXURAL STRENGTH (psi)	FLEXURAL MODULUS (psi)	TENSILE STRENGTH (psi)	ELONGATION AT BREAK (%)	COMPRESSIVE STRENGTH (psi)	IZOD IMPACT (ft lbs/in) *Notched	HEAT DEFLECTION TEMP (°F) at 264psi	GLASS TRANSITION TEMPERATURE	COEFFICIENT LINEAR THERMAL EXPANSION (in/in°F)	MACHINABILITY W/CARBIDE CUTTERS
DP-1051 DIE PLANK®	GREY	75	52 LB	7,180	317,000	4,820	2.34%	7,420	2.52	188 °F	na	2.75 x 10 ⁻⁵	EXCELLENT
PP-1052 PATTERN PLANK® The "Red Stuff"®	RED	80	71 LB	12,800	331,000	8,900	6.88%	10,700	8.39	192 °F	na	3.55 x 10 ⁻⁵	EXCELLENT
PP-1052 HD HIGH DENSITY PATTERN PLANK®	RED	85	83 LB	14,196	430,000	7,718	3.65%	13,604	6.37	na	182 °F	2.56 x 10 ⁻⁵	EXCELLENT
MP-1054 MODEL PLANK®	Off-WHITE	87	101 LB	10,900	760,000	7,270	1.92%	12,700	3.16 (Unnotched)	na	153 °F	2.36 x 10 ⁻⁵	EXCELLENT
MP-1055 MODEL PLANK®	Chocolate BROWN	60	41 LB	3,618	209,540	2,910	1.42%	4,054	1.21	140 °F	na	3.44 x 10 ⁻⁵	EXCELLENT
MP-1065 MODEL PLANK®	SALMON	55	40 LB	3,753	202,600	3,104	1.00%	3,798	na	136 °F	na	na	EXCELLENT
MP-1075 Intermediate Temp MODEL PLANK®	CREAM	82	49.5 LB	9,495	418,000	8,453	na	14,040	4.59 (Unnotched)	232 °F	296 °F	44.4 x 10 ⁻⁶	EXCELLENT
EP-300 High Temp EPOXY PLANK	SEAFOAM GREEN	78	49.6 LB	8,169	392,700	6,167	1.60%	12,590	na	320 °F (@ 66 psi)	325 °F	44.1 x 10 ⁻⁶	EXCELLENT

REFER TO PRODUCT DATA FOR ADDITIONAL INFORMATION AND RECOMMENDED ADHESIVES AND MATCHING PATCH PASTES.

DIE PLANK®, PATTERN PLANK®, The "RED STUFF"® AND MODEL PLANK® ARE REGISTERED TRADEMARKS OF CASS POLYMERS OF MICHIGAN.

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