



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 (in/in/°C) | 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 (in/in/°C) | 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, INC.

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