

# Royalite® R104

## Product Description

Royalite® R104 laminate provides a “soft feel” aesthetically appealing material that is suited for automotive consoles, truck and RV dashes and headliners and even boating applications. R104 consists of a soft-to-the-touch layer supported by a rigid ABS backing, giving excellent physical characteristics such as impact strength and ductility.

## Technical Properties

### TYPICAL PROPERTIES ABS SUBSTRATE

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.06
Tensile Strength	ASTM D-638	4,600 psi
Flexural Strength	ASTM D-790	8,500 psi
Flexural Modulus	ASTM D-790	274,000 psi
Hardness - Shore D	ASTM D-2240	75
Heat Deflection Temperature (@ 264 psi - annealed)	ASTM D-648	185 °F
Coefficient of Linear Thermal Expansion	ASTM D-696	5.0x10 <sup>-5</sup> in/in/°F
Izod Impact (Notched) 72°F	ASTM D-256	4.5 ft-lbs/in
Izod Impact (Notched) -20°F	ASTM D-256	1.5 ft-lbs/in
Flammability	FMVSS 302	Passes

\*All values based on 0.125" unless otherwise stated

### TYPICAL PROPERTIES LAMINATE CAP

Property	Test Method	Value*
Weight		41-46 oz/yd <sup>2</sup>
Gauge		0.077" – 0.093"
Elongation	ASTM D-638	190 %
Maximum Stretch Ratio		2.5:1

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail [info@spartech.com](mailto:info@spartech.com) or visit our website at [www.spartech.com](http://www.spartech.com)

Customers are responsible for determining whether products and information are appropriate for their use, including the evaluation of all applicable laws. Spartech LLC assumes no liability for the accuracy or completeness of information contained herein, and such information is subject to change without notice. All products supplied are subject to the standard terms and conditions of sale of Spartech LLC. **NO WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, IS MADE BY THIS TECHNICAL DATA SHEET. ALL IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED.**