

Royalite® R52 AM

Fire-rated, Anti-Microbial sheet

Product Description

Royalite® R52 AM is a flame-rated sheet that contains anti-microbial technology. This PVC/Acrylic product is an excellent material for wall coverings, ceiling tiles and a myriad of other architectural applications where stringent building codes are required, and antimicrobial properties are of interest.

Property	Test Method	Value*
Specific Gravity (color dependent)	ASTM D-792	1.35
Tensile Strength	ASTM D-638	6,000 psi
Flexural Strength	ASTM D-790	9,500 psi
Flexural Modulus	ASTM D-790	320,000 psi
Izod Impact (Notched) 73°F	ASTM D-256	14.0 ft-lbs/in
Rockwell Hardness (R Scale)	ASTM D-785	95
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	150°F
Thermal Conductivity	ASTM C-177	1.01 BTU/in/hr/ft ² /°F
Coefficient of Linear Thermal Expansion	ASTM D-696	4.0 - 6.0x10 ⁻⁵ in/in/°F
Motor Vehicle Safety Standard	FMVSS 302	Passes
Flammability	UL 94 V-0	Listed @ 0.027"
Flammability	UL 94-5VA	Listed @ 0.051"
Flammability	UL 94-5VB	Listed @ 0.031"
Flame Spread Index	ASTM E-162	<6
Flammability - Vertical Burn - 12 second	FAR 25.853a (i)	Passes @ 0.028"
Flammability - Vertical Burn - 60 second	FAR 25.853a (ii)	Passes @ 0.028"
Resistance of Synthetic Polymeric Materials to Fungi	ASTM G21	No growth
Resistance of Plastics to Bacteria	ASTM G22	No growth

**All values based on 0.125" unless otherwise stated*

For additional information, please contact Spartech at 800-677-4338 (800-67-SHEET), e-mail info@spartech.com or visit our website at 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.**