

Royalite® R26

Rigid ABS sheet

Product Description

Royalite® R26 thermoplastic sheet is a special ABS product that provides an unusual combination of very high tensile strength, impact strength and stiffness, coupled with outstanding formability. Upon request, this Royalite® sheet can be formulated to comply with current FDA and NSF requirements for food handling equipment and devices. Combining these special features with the wide range of colors and finishes available gives the greatest possible freedom in meeting application requirements.

Technical Properties

Property	Test Method	Value
Specific Gravity (color dependent)	ASTM D-792	1.02 - 1.08
Izod Impact (Notched) 72°F	ASTM D-256	7.5 ft-lbs/in
Izod Impact (Notched) -20°F	ASTM D-256	3.5 ft-lbs/in
Tensile Strength	ASTM D-638	5,200 psi
Flexural Strength	ASTM D-790	8,500 psi
Flexural Modulus	ASTM D-790	290,000 psi
Rockwell Hardness (R Scale)	ASTM D-785	96
Heat Deflection Temperature (@264 psi - annealed)	ASTM D-648	210°F
Thermal Conductivity	ASTM C-177	1.7 - 2.1 BTU/in/hr/ft ² /°F
Coefficient of Linear Thermal Expansion	ASTM D-696	4.2 - 5.6 x10 ⁻⁵ in/in/°F
Mold Shrinkage	ASTM D-523	0.005 - 0.007 in/in
Motor Vehicle Safety Standard	FMVSS 302	Passes

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.**