

Royalite R26

Acrylonitrile Butadiene Styrene

Spartech Plastics

Описание материалов:

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.

APPLICATIONS:

In addition to the properties mentioned previously, ROYALITE® R26 sheet features high hardness. Together, these qualities have made ROYALITE® R26 sheet the product of choice in a wide range of severe-service applications including luggage, auditorium seating, food handling trays and boxes, and motorcycle fairings.

PROCESSING:

ROYALITE® R26 thermoplastic sheet can be processed on virtually all thermoforming equipment from high volume, multi-station rotary machines to hand-operated presses. It is readily hand-formed for prototyping. It is also suitable for use with aluminum and epoxy molds and fine grain wood molds such as mahogany. Care must be taken in forming so as not to overheat the sheet. Stock temperatures of approximately 340°F-390°F are recommended for proper forming. As with any thermoplastic material, care should be taken to account for the coefficient of thermal expansion when considering design parameters. Please contact Royalite for data relating to a specific application or equipment.

COLORS & TEXTURES:

ROYALITE® R26 is offered in a tremendous range of colors with a multitude of textures ranging from smooth to deep-textured. This Royalite product is normally capped with calendered film, which gives exceptional color and gloss control, plus outstanding grain retention after forming.

FINISHING:

With conventional plastic fabricating tools, it is possible to machine, saw, drill, rout and grind this rigid Royalite sheet. It can be punched and die-cut, and paints can be applied by spray, silk screen or roller coating. For optimum performance, paints formulated for plastics must be used. As long as proper procedures are followed, this material can be joined to other materials, or itself, by adhesive bonding, ultrasonic welding and by mechanical fasteners such as screws and rivets. Please contact Royalite for specific recommendations.

AVAILABILITY:

ROYALITE® R26 is available from our warehouse with standard dimensions of 54" x 94" in a medium grey color in either a Smooth or Saddle #2 texture in gauges ranging from 0.125" to 0.250". Specific blank sizes can be cut to order for an extra charge. For a specific listing of our warehouse offerings, please contact us or our nearest distributor. Warehouse material can normally ship within 72 hours of receipt of the order.

Other standard and custom colors, grain textures, gauges and blank sizes are available subject to normal production scheduling. Maximum capped width available is 54". Maximum uncapped width available is 88". Maximum gauge is 0.375". Widths and gauges outside the standard are available with some restrictions.

Главная Информация

Характеристики	Ультра высокая ударпрочность
	Ультразвуковой сварочный
	Жесткий, высокий
	Высокая прочность на растяжение
	Распылитель
	Обработываемый
	Сплоченность
	Хорошая адгезия
	Теплостойкость, высокая
	Высокая твердость

Используется	Кожаный чехол
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Применение в автомобильной области

Контейнер для еды

Кронштейн Лоток

Сиденье

Внешний вид	Доступные цвета
Формы	Лист
Метод обработки	Термоформовка

Физический	Номинальное значение	Единица измерения	Метод испытания
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Удельный вес ¹	1.02 - 1.08	g/cm ³	ASTM D792
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Формовочная усадка-Поток	0.50 - 0.70	%	
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Твердость	Номинальное значение	Единица измерения	Метод испытания
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Твердость Роквелла (R-Scale)	96		ASTM D785
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Механические	Номинальное значение	Единица измерения	Метод испытания
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Прочность на растяжение-Поток (Yield)	35.9	MPa	ASTM D638
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Флекторный модуль	2000	MPa	ASTM D790
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Flexural Strength	58.6	MPa	ASTM D790
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Воздействие	Номинальное значение	Единица измерения	Метод испытания
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Зубчатый изод Impact			ASTM D256
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-29°C	190	J/m	ASTM D256
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22°C	400	J/m	ASTM D256
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Тепловой	Номинальное значение	Единица измерения	Метод испытания
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Температура отклонения при нагрузке (1.8 MPa, Unannealed)	98.9	°C	ASTM D648
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CLTE-Поток	7.6E-5 - 1.0E-4	cm/cm/°C	ASTM D696
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Теплопроводность	0.25 - 0.30	W/m/K	ASTM C177
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Воспламеняемость	Номинальное значение	Метод испытания
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Воспламеняемость	Passes	FMVSS 302
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Температура термоформования-Машина	171 - 199	°C	
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NOTE

1.	Color dependent
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* Отказ от ответственности: Информация на этой странице предоставлена производителем, и поставщик документа не несет никакой юридической ответственности. Все права защищены. Пожалуйста, немедленно свяжитесь с нами в случае каких-либо нарушений.

Свяжитесь с нами

Susheng Import & Export Trading Co.,Ltd.

Телефон: +86-021-58958519

Мобильный телефон: +86-13424755533

Email: sales@su-jiao.com

Адрес: Господин Чжао

Район Фэнсянь, Шанхай, Китай

