

Spartech PC PC-2000

Polycarbonate

Spartech Plastics

Описание материалов:

Spartech PC-2000 Sign Grade Polycarbonate.

For backlit sign faces demanding structural integrity in an economic package, PC-2000 is the material of choice. Specially formulated to provide maximum impact resistance, greatly superior forming and fabrication characteristics, and high heat resistance, PC-2000 is highly versatile in a wide variety of sign applications.

PC-2000 is available in flat sheet and reels in either smooth or matte finish. Sign white and other standard and custom colors are available upon request; we also maintain an extensive inventory in clear sheet and reels for immediate delivery.

Fabrication.PC-2000 can be drilled, routed, sawed, sheared, punched or die cut using the proper tools and techniques. High-speed carbide-tipped twist drills will give good results; drills must have sharp cutting edges to avoid "notching" the plastic. When shearing, use blades with a 45 degree angle or less. Most conventional mechanical fixing methods such as screws and rivets can be used; adhesive and solvent bonding are possible. For proper mechanical fastening, always over-drill the hole by 1/16 of an inch to allow for expansion. Use an approved silicone sealant in the hole with the fastener to inhibit stress cracking at the hole.

Cutting.PC-2000 can be cut with standard highspeed metal working tools; carbide-tipped blades are recommended for longer life. Circular saws with triple chip or beveled tooth type blades with about two teeth per inch are recommended, with blade speeds in the 6000 to 8000 rpm range. Band saws having 10 to 18 teeth per inch and blade speeds of 2500 to 3000 feet per minute should be adequate for smooth, clean cuts.

Cementing.Bonding PC-2000 to itself and to other plastics can be accomplished. Excellent results can be obtained with urethane adhesives including Hartel #17017 and Weld-On #55 by IPS. Silicones by GE Plastics are also recommended. Solvent cementing may also be used. (For more information, contact your sign distributor.)

Painting.PC-2000 can be easily painted and silkscreened using standard materials and techniques. Based on thorough testing by Spraylat and Akzo the following products are suggested. Follow the manufacturer's guidelines for proper painting and paint removal procedures. Always remove solvents from plastic sheet as quickly as possible to prevent solvent attack.

Pre-Drying.

The most critical step in the thermoforming process is proper drying of the sheet. The most efficient temperature is 250 F. Drying time is dependent upon oven configuration, air circulation, sheet thickness etc. See chart for suggested starting points. Note: Always remove protective film when drying sheet at over 200° F.

Thermoforming.

PC-2000 can be vacuum-formed on virtually all thermoforming equipment from highvolume multi-station rotary machines to single-station or shuttle presses; pressure forming techniques have also been highly successful. Excellent forming detail can usually be obtained at sheet temperatures of 350° - 425° F; all normal tooling materials such as aluminum, epoxy and various hardwoods can be used.

Optimum Weatherability.

For improved performance with PC-2000 in terms of long-term weatherability, use a firstsurface clear overspray before exposing to sunlight.

Главная Информация

| | |
|----------------|-------------------------------|
| UL YellowCard | E139482-222844 |
| Характеристики | Высокая ударопрочность |
| | Обрабатываемость, хорошая |
| | Распылитель |
| | Обрабатываемый |
| | Сплоченность |
| | Хорошая устойчивость к погоде |
| | Теплостойкость, высокая |
| Используется | Блок электронного дисплея |
| Внешний вид | Белый |

Шероховатая отделка

Доступные цвета

| | |
|-------|--------|
| Формы | Пленка |
| | Лист |

| | |
|-----------------|---------------|
| Метод обработки | Термоформовка |
|-----------------|---------------|

| Физический | Номинальное значение | Единица измерения | Метод испытания |
|------------|----------------------|-------------------|-----------------|
|------------|----------------------|-------------------|-----------------|

| | | | |
|--------------|------|-------------------|-----------|
| Удельный вес | 1.20 | g/cm ³ | ASTM D792 |
|--------------|------|-------------------|-----------|

| Твердость | Номинальное значение | Единица измерения | Метод испытания |
|-----------|----------------------|-------------------|-----------------|
|-----------|----------------------|-------------------|-----------------|

| | | | |
|------------------------------|-----|--|-----------|
| Твердость Роквелла (R-Scale) | 118 | | ASTM D785 |
|------------------------------|-----|--|-----------|

| Механические | Номинальное значение | Единица измерения | Метод испытания |
|--------------|----------------------|-------------------|-----------------|
|--------------|----------------------|-------------------|-----------------|

| | | | |
|-------------------|------|-----|-----------|
| Модуль растяжения | 2410 | MPa | ASTM D638 |
|-------------------|------|-----|-----------|

| | | | |
|---------------------------------|------|-----|-----------|
| Прочность на растяжение (Yield) | 64.5 | MPa | ASTM D638 |
|---------------------------------|------|-----|-----------|

| | | | |
|----------------------------------|-----|---|-----------|
| Удлинение при растяжении (Break) | 100 | % | ASTM D638 |
|----------------------------------|-----|---|-----------|

| | | | |
|-------------------|------|-----|-----------|
| Флекторный модуль | 2700 | MPa | ASTM D790 |
|-------------------|------|-----|-----------|

| | | | |
|-------------------|-----|-----|-----------|
| Flexural Strength | 103 | MPa | ASTM D790 |
|-------------------|-----|-----|-----------|

| Воздействие | Номинальное значение | Единица измерения | Метод испытания |
|-------------|----------------------|-------------------|-----------------|
|-------------|----------------------|-------------------|-----------------|

| | | | |
|-----------------------------|-----|-----|-----------|
| Зубчатый изод Impact (23°C) | 920 | J/m | ASTM D256 |
|-----------------------------|-----|-----|-----------|

| | | | |
|---|-----|---|------------|
| Ударное падение Dart ¹ (23°C, 4.50 mm) | 108 | J | ASTM D3029 |
|---|-----|---|------------|

| Тепловой | Номинальное значение | Единица измерения | Метод испытания |
|----------|----------------------|-------------------|-----------------|
|----------|----------------------|-------------------|-----------------|

| | | | |
|---|-----|----|-----------|
| Температура отклонения при нагрузке (1.8 MPa, Unannealed) | 132 | °C | ASTM D648 |
|---|-----|----|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

| | | | |
|------------|--------|----------|-----------|
| CLTE-Поток | 6.8E-5 | cm/cm/°C | ASTM D696 |
|------------|--------|----------|-----------|

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

