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## **HEXPIN PATTERN**

92 Gauge Embossed Polyester Film

Product Use: Hexpin is commonly used to provide texture in

fiberglass reinforced panels.

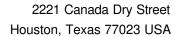
**Product** Repeating small scale decorative pattern **Description:** comprised of hexagons set in a field.

|          | TYPICAL VALUE              |            |         |   |  |
|----------|----------------------------|------------|---------|---|--|
|          | PROPERTY                   | ENGLISH    | METRIC  | TEST METHOD                                 |  |
| OPTICAL  | TLT                        | 87.0%      | 87.0%   | ASTM D1003                                  |  |
| PHYSICAL | C. O. F. (dynamic) A-B     | 0.4        | 0.4     | ASTM D1894                                  |  |
|          | Elongation at Break MD     | 160%       | 160%    | ASTM D882A                                  |  |
|          | Elongation at Break TD     | 100%       | 100%    | ASTM D882A                                  |  |
|          | Tensile Strength MD        | 29,000 psi | 200 MPa | ASTM D882A                                  |  |
|          | Tensile Strength TD        | 37,000 psi | 255 MPa | ASTM D882A                                  |  |
|          | Yield Strength MD          | 14,500 psi | 100 MPa | ASTM D882A                                  |  |
|          | Yield Strength TD          | 14,400 psi | 99 MPa  | ASTM D882A                                  |  |
| THERMAL  | Shrinkage MD (374°F/190°C) | 3.50%      | 3.50%   | unrestrained @ 374°F/190°C<br>for 5 minutes |  |
|          | Shrinkage TD (374°F/190°C) | 3.50%      | 3.50%   | unrestrained @ 374°F/190°C<br>for 5 minutes |  |

| CUSTOM ORDER PROPERTIES              |                              |                          |  |
|--------------------------------------|------------------------------|--------------------------|--|
| WIDTH                                | LENGTH                       | WEIGHT                   |  |
| Can be manufactured in widths to 40" | Maximum roll length 4,500 lf | 96 ft² per pound of film |  |

Disclaimer: These values represent typical performance data for polyester DuPont Teijin™ film\*; they are not intended to be used as design data. C. E. Shepherd Company believes this to be the most accurate information currently available however we make no guarantee of results and assume no liability whatsoever in connection with this information. This document is not a license to operate under, or intended to suggest infringement of, any existing patents.

 $<sup>^{\</sup>star}$  Test data provided by DuPont Teijin  $^{\text{TM}}$  Films.





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## **HEXPIN PATTERN**

142 Gauge Embossed Polyester Film

Product Use: Hexpin is commonly used to provide texture in

fiberglass reinforced panels.

**Product** Repeating small scale decorative pattern **Description:** comprised of hexagons set in a field.

|          | TYPICAL VALUE              |            |         |   |  |
|----------|----------------------------|------------|---------|---|--|
|          | PROPERTY                   | ENGLISH    | METRIC  | TEST METHOD                                 |  |
| OPTICAL  | TLT                        | 86.5%      | 86.5%   | ASTM D1003                                  |  |
| PHYSICAL | C. O. F. (dynamic) A-B     | 0.4        | 0.4     | ASTM D1894                                  |  |
|          | Elongation at Break MD     | 160%       | 160%    | ASTM D882A                                  |  |
|          | Elongation at Break TD     | 100%       | 100%    | ASTM D882A                                  |  |
|          | Tensile Strength MD        | 29,000 psi | 200 MPa | ASTM D882A                                  |  |
|          | Tensile Strength TD        | 37,000 psi | 255 MPa | ASTM D882A                                  |  |
|          | Yield Strength MD          | 14,500 psi | 100 MPa | ASTM D882A                                  |  |
|          | Yield Strength TD          | 14,500 psi | 99 MPa  | ASTM D882A                                  |  |
| THERMAL  | Shrinkage MD (374°F/190°C) | 2.50%      | 2.50%   | unrestrained @ 374°F/190°C for 5 minutes    |  |
|          | Shrinkage TD (374°F/190°C) | 0.50%      | 0.50%   | unrestrained @ 374°F/190°C<br>for 5 minutes |  |

| CUSTOM ORDER PROPERTIES              |                              |                           |  |
|--------------------------------------|------------------------------|---------------------------|--|
| WIDTH                                | LENGTH                       | WEIGHT                    |  |
| Can be manufactured in widths to 76" | Maximum roll length 4,500 lf | 143 ft² per pound of film |  |

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