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## WPCR TECHNICAL DATA SHEET

### White Polyester Chemical Resistant

#### **DESCRIPTION**

TE "WPCR" is a white matte polyester with a special chemical resistant top coat that 'locks in' thermal transfer print. WPCR has permanent acrylic adhesive which bonds well to low surface energy substrates

#### **APPLICATION/USE**

Excellent for bar coding and component labeling as well as general purpose labeling applications that require a high durability white label. Resistant to a variety of chemicals & solvents while maintaining print quality.

#### **RECOMMENDED PRINTER/RIBBONS**

TE series printers  
1966-RIBBON

#### **COLOR**

White

| PHYSICAL PROPERTIES                                                                                                                                                                                                                                                                                                     | VALUE                                                                                                                                                                                                                                                                                                                    | TEST METHOD                   |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| Thickness                                                                                                                                                                                                                                                                                                               | 3.9 - 4.1 mil film & adhesive                                                                                                                                                                                                                                                                                            |                               |
| Adhesion <ul style="list-style-type: none"><li>• Stainless steel</li><li>• Acrylic</li><li>• Acrylic Powder Paint</li><li>• Epoxy Powder Paint</li><li>• Glass</li><li>• Painted Metal</li><li>• Painted Plastic</li><li>• Polyester Powder Paint</li><li>• Polypropylene</li><li>• Polyurethane Powder Paint</li></ul> | <ul style="list-style-type: none"><li>75 oz/in (825 N/m)</li><li>98 oz/in (1078 N/m)</li><li>93 oz/in (1023 N/m)</li><li>60 oz/in (660 N/m)</li><li>91 oz/in (1001 N/m)</li><li>72 oz/in (792 N/m)</li><li>77 oz/in (847 N/m)</li><li>60 oz/in (660 N/m)</li><li>19 oz/in (209 N/m)</li><li>81 oz/in (891 N/m)</li></ul> | ASTM D 903 72 hour dwell time |
| Tack                                                                                                                                                                                                                                                                                                                    | 620 gm/sq cm                                                                                                                                                                                                                                                                                                             | ASTM D 2979                   |

**PRINT PERFORMANCE**

All samples printed with 1966-RIBBON

| TEST                  | METHOD                  | EFFECT           |
|-----------------------|-------------------------|------------------|
| Abrasion Resistance   | MIL-M-81531             | No visual effect |
| Resistance to Solvent | MIL-STD-202F Method 215 | No visual effect |

| ENVIRONMENTAL AND STORAGE PROPERTIES | VALUE                                                        |
|--------------------------------------|--------------------------------------------------------------|
| Shelf Life                           | 2 years when stored at 70°F (21°C) and 50% relative humidity |
| Service Temperature                  | -40°F to 302°F (-40°C to 150°C)                              |
| Minimum Application Temperature      | 50° F (21°C)                                                 |

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