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| | ETI™ FS153 (Direct Thermal Top-Coated Paper) |
| | ETI™ AD20 (Permanent Adhesive) |
| | ETI™ SC2 (Silicone) |
| | ETI™ LN20 (SCK) |

Facestock

ETI™ FS153 is a direct thermal paper with an undercoat, a thermal coat and a topcoat for optimal front-side protection and a back barrier for a protection against external influences from the reverse side of the paper (such as special adhesives, plasticizers). It has a very high sensitivity and a high definition.

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|----------------------------|---------------------------|------------------------|
| Caliper | 0,0033 in. | or 0,0084 cm ± 10% |
| Basis weight | 0,016 lbs/ft ² | or 81 g/m ² |
| Tensile strength TD | 12,56#/in. | or 2,2 kN/m |
| Tensile strength MD | 21,13#/in. | or 3,7 kN/m |
| Brightness | 91% | |

Adhesive

ETI™ AD20 is a pressure sensitive adhesive designed with optical clarity. It has a high tack and peel, an excellent water and superior pasteurization resistance and a good shear.

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| Application Temperatures | 275 to 350 °F | or 150 to 175 °C |
| Service Temperatures | -5 to 175°F | or -20 to 80 °C |

Silicone

ETI™ SC2 is a silicone coating enabling different release possibilities.

Liner

ETI™ LN20 is a supercalendered release base paper with a high internal strength and toughness.

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|----------------------------|----------------------------|---------------------------|
| Caliper | 0,0025 in. | or 0,0065 cm ± 10% |
| Basis Weight | 0,0135 lbs/ft ² | or 65,84 g/m ² |
| Tensile Strenght TD | 25#/in. | or 43,8 N/cm ± 20% |
| Tensile Strenght MD | 32#/in. | or 56,0 N/cm ± 20% |
| Tear TD | 0,0062 lbs/ft ² | or 30 g/m ² |
| Tear MD | 0,0064 lbs/ft ² | or 31 g/m ² |

Statement of practical use

As with all pressure-sensitive materials, this product should be tested thoroughly under end-use conditions to ensure it meets the requirements of the specific application.

Performance data

Peel Adhesion

| | | |
|------------------------|---------|------------|
| Stainless steel | 2,3 lbs | or 1,04 kg |
| HDPE | 2,4 lbs | or 1,09 kg |
| Polypropylene | 2,4 lbs | or 1,09 kg |
| Glass | 2,5 lbs | or 1,13 kg |

Loop Tack

| | | |
|------------------------|---------|------------|
| Stainless steel | 2,5 lbs | or 1,13 kg |
| HDPE | 2,2 lbs | or 1,00 kg |
| Polypropylene | 2,2 lbs | or 1,00 kg |
| Glass | 2,3 lbs | or 1,04 kg |

| | |
|---|----------------------------------|
| Total Construction Caliper (approximate) | 0,0070 in. or 0,0180 cm ± 10% |
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|------------------------------------|---------------|
| *3 possibilities of release | <i>High</i> |
| | <i>Medium</i> |
| | <i>Low</i> |

Additional Information :

Printing and Converting

Printable directly on the facestock in all classical printing processes (web screen, UV letter press and flexography) but especially made for direct thermal printing. Excellent conversion characteristics in rotary and flat-bed.

Application and uses

It is designed for pressure-sensitive direct thermal applications. Excellent resistance against alcohol, water, fatty acids, plasticizers and body sweat.

Shelf Life

One year when stored at 72°F at 50% RH.