

PET – Technical Data Sheet

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| PRODUCT NAME | CPET |
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| MATERIAL PROPERTIES | NOMINAL VALUE | TOLERANCE | TEST METHOD |
|---------------------------------------|-------------------------------------|--------------------|------------------------|
| Thickness | 500 - 1200 μm | \pm 5 % | DIN 53370 ASTM D374 |
| Layers | <i>Layer</i> | <i>Composition</i> | <i>Thickness</i> |
| | A | APET | %100 |
| | B | CPET | %100 |
| Width | 250 – 1000 mm | \pm 1 | |
| Density (g/cm ³) | 1,36 | \pm 0,04 | DIN 53479 ISO 1183 |
| IV (dL/g) | 0,95 | \pm 0,02 | ASTM D4603 |
| Color | White , Black or color | | - |
| Crystallinity (%) | 25 – 30 | | - |
| Minimum Temperature | -40 | | - |
| Maximum Temperature | 220 | | - |
| Black Points (m ² /0,4 mm) | Max 2 | | - |
| Acetaldehyde (ppm) | \leq 3,5 | | ASTM F2013 |

| DIMENSION | |
|---------------------|--------------|
| Roll Length m | To order |
| Roll Width mm | 250 - 1000 |
| Core Diameter (inç) | 3", 6" or 8" |

| APPLICATION PROPERTIES | |
|---------------------------|----------|
| Forming Temperature °C | 195 / 90 |
| Sealing Conditions °C,sec | 180 , 1 |
| Preheating Temperature °C | 180 |

| PHYSICAL PROPERTIES | | |
|-------------------------------|-------------|-----------|
| Tensile Modulus MPa | 1000 – 1300 | ASTM D882 |
| Elongation at Break % | 7 - 10 | ASTM D882 |
| Tensile Strength at break MPa | 60 – 70 | ASTM D882 |
| Seal Strength N/15 mm | - | - |

| PERMEABILITY | | |
|---|-------------|------------|
| O ₂ at 23 °C, 0% R.H. ml/m ² ,24h,0,21 atm | 0,03 – 0,05 | ASTM D3985 |
| CO ₂ at 23 °C, 0% R.H. ml/m ² ,24h,0,21 atm | 0,12 – 0,2 | ASTM D1434 |
| MVTR at 38°C , 0% R.H. g/24h,m ² | \leq 0,1 | ASTM E96 |

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|---------------------------|--|
| APPLICATION | Read meals, microwave application,frozen foods,baked goods |
| STORAGE CONDITIONS | Recommended conditions for long-term storage: Min 16° to max 25°C, max RH 70%, for up to one year |
| FOOD LAW APPROVAL | Complies with EU regulations on food contact materials. See “ Declaration of Compliance for details. |
| QUALITY | LRQA manufacturing in Turkiye has received or are applying for ISO 9001:2008 Quality Certification and ISO 22000:2005 Food Safety Management System,BRC IoP Packaging and Packaging Material |