

Product Information Sheet

Product

Polymex® PP1BD

Product Description

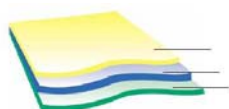
Polymex® PP1BD is a clear internally heat sealable peel lidding APET film and exterior polyester substrate with corona treatment to promote adhesion for inks and coatings. Polymex® PP1BD is suitable for hot peel packaging with a strong tear in cold applications (self-test recommended). In addition, Polymex® PP1BD is food approved so it can be utilised in food contact applications.

Available in a thickness of 28 micron.

Key Features

- High gloss, dimensionally stable leak resistant peelable seals
- Ideal for food packaging and lamination to APET/CPET, PET coated board and Aluminium Foil
- Good oxygen and water vapour transmission — withstands temperatures down to -70°C
- Dual ovenable (standard/microwave)

Structure of Polymex® PP1BD



Adhesion promoting surface
Clear PET
Heat seal hot peel APET surface

| Property | Test Method | Unit | Value |
|--------------------------------|----------------------|--|---------------|
| Film Thickness | - | micron | 28 |
| Film Yield | - | M ² /Kg | 26.1 |
| Unit Weight | - | g/m ² | 38.3 |
| Oxygen Permeability | Oxtran 23°C/60/70%RH | Cm ³ /M ² /day/atm | 75 |
| Vapour Transmission | Lyssy 38°C/90%RH | g/m ² /day | 20 |
| Tensile strength at break | ASTM D 822 | MPa | 180 |
| MD | | | |
| | | | 220 |
| Elongation at break | ASTM D 822 | % | 120 |
| MD | | | |
| | | | 80 |
| Heat Sealing Temperature | - | °C | 140°C — 200°C |
| Seal Strength (APET/CPET Tray) | 180°C/80psi/2sec | g/25mm | 1100 |
| Shrinkage | at 190°C (5 mins) | % | 4 |
| MD | | | |
| | | | 1 |

'MD' - Machine direction. 'TD' - Transverse direction

Applications

Polymex® PP1BD complies with EU food contact legislation 2002/72/EC, and amendments with FDA regulation 21 CFR 177.1630

The information above is given in good faith and should be considered as a guide not a specification.



BS EN 14644 : 1999
CLEANROOM CLASS 8

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