



Cryovac® CT-306E

PRODUCT SPECIFICATION SHEET HIGH PERFORMANCE SHRINK FILM

The Cryovac® CT-306E is a high performance polyolefin shrink film. Its micro-layered technology provides enhanced performance and significant source reduction compared to thicker materials.

THE MOST SUSTAINABLE SOLUTION IN THE INDUSTRY

- Equal packaging performance with up to 50% packaging weight reduction
- Reduced warehouse space for packaging supplies (less cores, pallets, cartons)
- Lower tunnel and seal temperatures during the packaging operation result in energy saving

FEATURES AND BENEFITS

- Yield more packages per roll which increases productivity
- Enhanced tensile strength and tear resistance
- Better sealing characteristics and excellent optics

| Film Data | Unit | Typical Values | | Test Method |
|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------|-----------------|------|--------------|
| Thickness | μ | 23 | | ASTM D6988 |
| Yield | m²/kg | 47 | | |
| Width Centre Folded | mm (with 50 mm increment) | From 155 to 905 | | |
| Length Centre Folded | lm | 885 | | |
| Core diameter | mm | 76 | | |
| Mechanical | | LD* | TD* | |
| Tensile strength | kg/cm² | 1250 | 1350 | ASTM D882-95 |
| Elongation at break | % | 120 | 150 | ASTM D882-95 |
| Modulus of elasticity | kg/cm² | 5000 | 5500 | ASTM D882-95 |
| Tear propagation | g | 10 | 15 | ASTM D1938 |
| Kinetic coeff. of friction | (film-to-film, kinetic) | 0.13 | | ASTM D1894 |
| Trim Seal Strength | g/25mm | 4000 | | COV-E-234 |
| Puncture resistance | g | 3700 | | COV-E-236 |
| Shrink and Barrier | | | | |
| Free shrink @ 120°C | % | 65 | 65 | ASTM D2732 |
| Max. shrink tension | kg/cm² | 30 | 35 | COV-E-302 |
| Moisture vapour transmission rate | g/m²/24hrs @ 38°C | 15 | | ASTM F1249 |
| Oxygen transmission rate | cm³/m²/24hrs @23°C, 1 atm | 6000 | | D3985-95 |
| CO2 transmission rate | cm³/m²/24hrs @23°C, 1 atm | - | | ASTM D1434 |
| Optical | | | | |
| Haze | % | 4.0 | | ASTM D1003 |
| Gloss | gloss units (i = 60°) | 130 | | ASTM D2457 |
| Storage Conditions | Recommended conditions for long-term storage: Below 32°C, max RH 80%, for up to one year | | | |
| Food Law Approval | Complies with EU regulations on food contact materials. See "Product Regulatory Compliance Statement" for details. | | | |
| Quality | All Cryovac manufacturing operations in Europe have received or are applying for ISO 9001:2008 Quality Certification or its local equivalent | | | |

LD = Longitudinal Direction / TD = Transverse Direction



Shrink Packaging Sealed Air Ltd, GB Cambridgeshire PE19 2HN T: +44 (0)1604 774157 F: +44 (0)1604 774178 E: SPDEurope@sealedair.com www.shrink-pkg.eu [®]Cryovac is a registered trademark of Cryovac Inc., a subsidiary of Sealed Air Corporation
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