

RD-106 Film

Film Highlights

Type of material. Extremely tough, multilayered, cross-linked, antifog polyolefin.

Appearance. Superior gloss clarity and sheen present products at their best, maximizing point-of-sale appeal.

Machineability. Medium to high slip and impressive machineability enable it to run on various types of equipment—centerfold, reverse-fold and form-fill-seal machines. RD-106 seals cleanly without disagreeable smoke or fumes, and leaves no residue or corrosive matter on sealing elements.

Toughness. Extremely resistant to punctures and tears from sharp edged products.

Forms available. Singlewound (SW) in widths to 2³/₄" to 63"; centerfolded (CF) in widths 4" to 58".

Gauges. 60, 75 and 100.

Sealing techniques. Impulse, electrostatic.



An antifog shrink film with superior strength, versatility, machineability and merchandising appeal.

RD-106 is a new formulation of the Cryovac D-Film family, developed specifically for tougher abuse resistance, superior gloss and clarity, and a broad spectrum of shrink properties. Its unique antifog properties make it ideal for shrink-packaging fresh fruits, vegetables, meats, and other food items which will be refrigerated.

Increased seal strength is combined with superior tensile strength to survive rough handling in distribution and at the point of sale. Because RD-106 film has such a wide range of shrink properties, it is ideal for unusual shaped objects.

RD-106 shrinks and seals over a broad temperature range, and runs at excellent speeds on various types of packaging equipment.

The 60, 75 and 100 gauge versions of RD-106 are available for both vertical and horizontal form-fill-seal equipment utilizing static lap seals and impulse sealing systems.

PROPERTIES

| | Typical Values | | | | | |
|---|------------------------------|-------------|------------------------------|-----------|------------------------------|-----------|
| | 60 | | 75 | | 100 | |
| Gauge | 60 | | 75 | | 100 | |
| Minimum Use Temp. | 0°F. | | 0°F. | | 0°F. | |
| Maximum Storage Temp. (two years maximum) | 90°F. | | 90°F. | | 90°F. | |
| Shrink Temp., Air | 250°F.-300°F. | | 265°F.-350°F. | | 280°F.-350°F. | |
| Density @ 73°F. (g/cc) | 0.93 | | 0.93 | | 0.93 | |
| Clarity (%) | 80 | | 81 | | 80 | |
| Haze (%) | 4.4 | | 5.5 | | 5.5 | |
| Gloss (%) | 78 | | 78 | | 77 | |
| Ball Burst Impact Strength (cm/kg) | 17 | | 18 | | 25 | |
| Oxygen Transmission Rate (cc/m ² /24 hrs., 73°F., 1 atm) (cc/100 sq. in./24 hrs., 73°F., 1 atm) | 8,500-11,500 550-740 | | 7,500-8,900 485-575 | | 5,500-7,500 355-485 | |
| Carbon Dioxide Transmission Rate (cc/m ² /24 hrs., 73°F., 1 atm) (cc/100 sq. in./24 hrs., 73°F., 1 atm) | 26,000-30,000 1,675-1,935 | | 25,000-30,000 1,600-1,935 | | 20,000-24,000 1,290-1,550 | |
| Water Vapor Transmission Rate (gms/100 sq. in./24 hrs., 73°F., 100% RH) | 1.6-2.1 | | 1.0-1.5 | | 0.90-1.10 | |
| | LD* | TD** | LD | TD | LD | TD |
| Tensile Strength (psi) | 16,000 | 17,000 | 18,500 | 18,600 | 19,000 | 17,000 |
| Elongation at Break (%) | 145 | 145 | 132 | 129 | 150 | 135 |
| Modulus of Elasticity (psi) | 45,000 | 50,000 | 54,000 | 59,000 | 46,000 | 51,000 |
| Tear Propagation (gms) | 5.8 | 5.0 | 4.9 | 5.6 | 11 | 9 |
| Unrestrained Shrink (%) @240°F | 54 | 60 | 54 | 63 | 57 | 62 |
| @260°F | 79 | 79 | 78 | 76 | 76 | 76 |
| @280°F | 79 | 80 | 80 | 78 | 77 | 76 |
| @300°F | 80 | 80 | 80 | 78 | 77 | 77 |

Note: These are typical values for Cryovac films. They are not intended for use as limiting specifications.

* Longitudinal Direction ** Transverse Direction

This information represents our best judgment based on the work done, but the Company assumes no liability whatsoever in connection with the use of information or findings contained herein.

RD-106 complies with the requirements of the Federal Food, Drug and Cosmetics Act, as amended, for the packaging of all foods, with the exception of high alcoholic substances, at temperatures of 100°C. and below.



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