

Product: POF Shrink Film
Description: Bi-axially oriented film with stable and balanced shrinkage; High clarity and low density
Application: Works well on a wide range of end use applications; Complies with FDA and USDA regulations governing direct contact food packaging

| TEST ITEM | UNIT | ASTM TEST | 60G | 75G | 100G |
|------------------------------|------------------------|-----------|-----------|-----------|------------|
| THICKNESS | MICRON | | 15 | 19 | 25 |
| | GAUGE | | 60 | 75 | 100 |
| TENSILE STRENGTH (MD) | N/mm ² | D882 | 110 | 110 | 95 |
| TENSILE STRENGTH (TD) | N/mm ² | D882 | 105 | 105 | 90 |
| ELONGATION (MD) | % | D882 | 120 | 125 | 130 |
| ELONGATION (TD) | % | D882 | 115 | 115 | 125 |
| TEAR (MD) | G | D1922 | 14.5 | 17.5 | 23.5 |
| TEAR (TD) | G | D1922 | 13.5 | 16.0 | 23.0 |
| HOT WIRE SEAL STRENGTH (MD) | N/mm ² | F88 | 0.81 | 1.03 | 1.25 |
| HOT WIRE SEAL STRENGTH (TD) | N/mm ² | F88 | 0.86 | 1.06 | 1.30 |
| COF (FILM TO FILM) DYNAMIC | | D1894 | .22 | .22 | .25 |
| COF (FILM TO FILM) STATIC | | D1894 | .23 | .24 | .26 |
| HAZE (%) | | D1003 | 2.6 | 3.2 | 3.9 |
| CLARITY | | D1746 | 98.0 | 97.0 | 95.0 |
| GLOSS @ 45 DEG | | D2457 | 87.0 | 83.5 | 81.5 |
| OXYGEN TRANSMISSION RATE | cc/m ² /day | D3985 | 10800 | 7200 | 5400 |
| WATER VAPOR TRANSMISSION | gm/m ² /day | F1249 | 38.5 | 26.5 | 22.5 |
| FREE SHRINKAGE AT 120°C (MD) | % | D2732 | 58 | 58 | 57 |
| FREE SHRINKAGE AT 120°C (TD) | % | D2732 | 61 | 60 | 59 |

MD – Machine Direction (vertical or length shrinkage)
 TD – Transverse Direction (horizontal or width shrinkage)

This data should be considered as average typical properties and not as a specification. This data is offered for information purposes and does not represent any type of guarantee or warranty of performance. No liability is assumed for any incidents that may arise from use of this data. We urge purchases to conduct independent tests to determine final suitability for their specific application.