

BARRIER-MET® POLYETHYLENE

REVISION DATE: 07/26/10

Product – A low slip, low density polyethylene which has been metallized on one side.

TYPICAL PROPERTIES AND VALUES

| PROPERTY | UNIT | VALUE | UNIT | VALUE |
|--------------------------------|--------------------------|--------------|----------------------|------------|
| Thickness(Nominal) | mil | 2.0+/-5% | micron | 50 +/-5% |
| Yield (Nominal) | ln ² /LB | 15,000 +/-5% | m ² / Kg | 21.3+/-5% |
| Unit Weight (Nominal) | oz yrd ² | 72 +/-5% | gr/m ² | 46.9 +/-5% |
| Specific Gravity | gr/cm ³ | .925 | gr/cm ³ | .925 |
| Tensile Strength | psi | | N/mm ² | |
| (MD) | | 3800 | | 26.1 |
| (TD) | | 2850 | | 19.5 |
| Elongation At Break | % | | % | |
| (MD) | % | 350 | % | 350 |
| (TD) | % | 450 | % | 450 |
| Optical Density | | 1.7 min. | | 1.7 min. |
| OTR @ 73°F / 50% RH | cc/100in ² /d | 2.25 | cc/m ² /d | 34.87 |
| WVTR @ 100°F / 90% RH | gr/100in ² /d | 0.04 | gr/m ² /d | .62 |
| Metal Adhesion | gr/in | | N/cm | |
| COF Film/Metal Dy | | .4-.6 | | 04-.6 |
| Surface Tension | Dyne/cm | | Dyne/cm | |
| Metal on Corona Side | | 40-42 | | 40-42 |
| Seal Test 290°F 4- psi 0.5 sec | lb/in | 3.0-3.5 | kg/cm | .55-.63 |
| | | | | |

QUALITIES: Barrier-Met® polyethylene has excellent metal to film adhesion and outstanding metal brightness.

USAGE: Barrier-Met® polyethylene is used primarily in decorative packaging applications, duct tape, food packaging and other industrial applications.