

# Extrusion Coating

## Product Summary Sheet

# polyethylene

| Grade                        | End-Use Application | Additive Package   | Melt Index <sup>(1)</sup> | Density                    | Minimum Coating Weight                              | Drawdown Speed | Neck-in <sup>(3)</sup> at 5 | Neck-in at 1000 | Heat Seal Strength |  |
|------------------------------|---------------------|--|---------------------------|----------------------------|---|----------------|-----------------------------|-----------------|--------------------|--|
|                              |                     |  | D 1238<br>g/10 min        | D 792<br>g/cm <sup>3</sup> | D 539 <sup>(2)</sup><br>g/m <sup>2</sup> (lbs/ream) | m/sec (ft/min) | m/sec<br>cm                 | ft/min<br>in    | g/25 mm (lb/in)    |  |
| NOVAPOL <sup>®</sup><br>LDPE | LC-0517-A           | Dry soup pouches, powdered drink pouches, pharmaceutical packaging, potato chip bags, flexible & snack food packaging  | none                      | 4.5                        | 0.917   | 9.6 (6.0)      | 5.1 (1 000)                 | 4.1*            | 1.6*               | 1 400 <sup>(4)</sup> (3.0 <sup>(4)</sup> ) |
|                              | LC-0522-A           | Milk cartons, paperboard containers, liquid packaging, woven fabrics, lumber wrap, heavy duty bags                     | none                      | 4.5                        | 0.920   | 8.0 (5.0)      | 8.1 (1 600)                 | 5.1*            | 2.0*               | 1 400 <sup>(4)</sup> (3.0 <sup>(4)</sup> ) |
|                              | LC-0717-A           | Sugar pouch stock, popsicle wrap, multi-wall bags, flexible and snack food packaging, coating of non-porous substrates | none                      | 7.0                        | 0.917   | 6.4 (4.0)      | >9.1 (>1 800)               | 5.5*            | 2.2*               | 1 400 <sup>(4)</sup> (3.0 <sup>(4)</sup> ) |

(1) Condition 190/2.16.

(2) ASTM standard applies to NOVAPOL<sup>®</sup> resin testing only.

(3) Reported as the total of both sides.

(4) Tests performed on samples with a coating weight of 12 lb/ream, prepared under the following conditions: 3 lb/hr/in output rate; 600°F melt temperature; 12 in die width; 40 lb Kraft paper as substrate.

(5) Test performed on 30 lb Kraft paper with a LDPE coating weight of 15 lb/ream at 100°F and 90% relative humidity.

\* NOVA Chemicals test method.

### Additive Package Coding

**AO** Antioxidant

**PS** Process Stabilizer

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| Grade                   | Hot Tack Strength                        | Minimum Sealing Temperature | Water Vapour Transmision E 96                       |
|-------------------------|--|-----------------------------|---|
|                         | g/50 mm (lb/2 in)                        | °C (°F)                     | g/m <sup>2</sup> /24hr (g/100in <sup>2</sup> /24hr) |
| NOVAPOL® LC-0517-A LDPE | 450 <sup>(4)</sup> (1.0 <sup>(4)</sup> ) | —                           | 18 <sup>(5)</sup> (1.2 <sup>(5)</sup> )             |
| LC-0522-A               | 450 <sup>(4)</sup> (1.0 <sup>(4)</sup> ) | —                           | 17 <sup>(5)</sup> (1.1 <sup>(5)</sup> )             |
| LC-0717-A               | 450 <sup>(4)</sup> (1.0 <sup>(4)</sup> ) | —                           | 18 <sup>(5)</sup> (1.2 <sup>(5)</sup> )             |

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