


**TotalEnergies**

TotalEnergies Petrochemicals & Refining USA, Inc.  
Polymers Americas

## Polypropylene 3274

Technical Data Sheet  
Polypropylene – Homopolymer  
Produced in the United States

### Description

**Polypropylene 3274** utilizes proprietary technology to provide excellent processing performance in oriented films and tapes.

**FDA:** 3274 complies with applicable FDA regulations for use in food contact applications. FDA statement available upon request.

**Applications:** 3274 is recommended in orientation processes for manufacture of packaging tapes and films.

**Processing:** 3274 processes on oriented film extrusion equipment with typical melt temperatures of 450°F-525°F (232°C-274°C)

### Characteristics

|                                                   | Method    | Unit                              | Typical Value     |
|---------------------------------------------------|-----------|-----------------------------------|-------------------|
| <b>Rheological Properties</b>                     |           |                                   |                   |
| Melt Flow                                         | D-1238    | g/10 min                          | 1.6               |
| <b>Film Properties, Oriented<sup>(1)(3)</sup></b> |           |                                   |                   |
| Ultimate Tensile                                  | D-882     | psi MD (TD)                       | 22,000 (35,000)   |
| Elongation                                        | D-882     | % MD (TD)                         | 150 (60)          |
| Tensile Modulus                                   | D-882     | psi MD (TD)                       | 350,000 (600,000) |
| Haze                                              | D-1003    | %                                 | 1.0               |
| Gloss, 45°                                        | D-2457    | %                                 | 85                |
| WVTR @ 100°F, 90% RH                              | F-1249-90 | g/100 in <sup>2</sup> /24 hrs/mil | 0.3               |
| <b>Thermal Properties<sup>(1)(2)</sup></b>        |           |                                   |                   |
| Melting Point                                     | DSC       | °F (°C)                           | 325 (163)         |
| <b>Other Physical Properties</b>                  |           |                                   |                   |
| Density                                           | D-1505    | g/cc                              | 0.905             |

(1) Data developed under laboratory conditions and are not to be used as specification, maxima or minima.

(2) MP determined with a DSC-2 Differential Scanning Calorimeter. Test procedure available upon request.

(3) Tenter-frame oriented film

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All tests were run under laboratory conditions. ASTM (where applicable) testing procedures. The data are intended as a general guide only and do not necessarily represent results that may be obtained elsewhere. The use of TotalEnergies products must be guided by the users own methods for selection of proper formulation. TotalEnergies Petrochemicals & Refining USA Inc. disclaims any responsibility for misuse or misapplication of its products. TotalEnergies MAKES NO WARRANTY OF MERCHANTABILITY AND THERE IS NO WARRANTY THAT GOODS SUPPLIED SHALL BE FIT FOR ANY PARTICULAR PURPOSE. TotalEnergies' liability and customer's exclusive remedy for any claims arising out of sales of its products are expressly limited at customer option to replacement of non-performing goods or payment not to exceed the purchase price plus transportation charges thereon in respect to any material which damage is claimed.