

## Technical Data Sheet

### *Petrothene* GA616050

Linear Low Density Polyethylene



#### Product Description

*Petrothene* GA616050 is a linear low density polyethylene resin selected by customers for dry blending with low density polyethylene coating resins to produce linear low extrusion coatings. GA616050 is formulated without TNPP.

#### Regulatory Status

For regulatory compliance information, see *Petrothene* GA616050 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| <b>Status</b>            | Commercial: Active                                                                                |
| <b>Availability</b>      | North America                                                                                     |
| <b>Application</b>       | Bags & Pouches; Colour Concentrates; Food Packaging Film; Lamination Film; Sealants; Wire & Cable |
| <b>Market</b>            | Compounding; Flexible Packaging; Wire & Cable                                                     |
| <b>Processing Method</b> | Compounding; Extrusion Coating; Wire & Cable                                                      |

| Typical Properties               | Nominal Value | English Units     | Nominal Value | SI Units          | Test Method |
|----------------------------------|---------------|-------------------|---------------|-------------------|-------------|
| <b>Physical</b>                  |               |                   |               |                   |             |
| Melt Flow Rate, (190 °C/2.16 kg) | 6.2           | g/10 min          | 6.2           | g/10 min          | ASTM D1238  |
| Density, (23 °C)                 | 0.918         | g/cm <sup>3</sup> | 0.918         | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>                |               |                   |               |                   |             |
| Flexural Modulus                 | 50000         | psi               | 345           | MPa               | ASTM D790   |
| Tensile Strength                 | 1700          | psi               | 11.7          | MPa               | ASTM D638   |
| Tensile Elongation at Break      | 870           | %                 | 870           | %                 | ASTM D638   |
| <b>Hardness</b>                  |               |                   |               |                   |             |
| Shore Hardness, (Shore D)        | 56            |                   | 56            |                   | ASTM D2240  |
| <b>Thermal</b>                   |               |                   |               |                   |             |
| Vicat Softening Temperature      | 198           | °F                | 92            | °C                | ASTM D1525  |

## Notes

Mechanical tensile properties were run on a Type IV specimen.

These are typical property values not to be construed as specification limits.

## Processing Techniques

Specific recommendations for resin type and processing conditions can only be made when the end use, required properties and fabrication equipment are known.

## General Extrusion Conditions

## Company Information

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