

## Technical Data Sheet

### *Petrothene* NA149000

Low Density Polyethylene



#### Product Description

*Petrothene* NA149000 resin exhibits an excellent balance of toughness and softness, with excellent dimensional stability. Typical applications include housewares, toys, containers and novelty items.

#### Regulatory Status

For regulatory compliance information, see *Petrothene* NA149000 [Product Stewardship Bulletin \(PSB\)](#) and [Safety Data Sheet \(SDS\)](#).

|                   |                                                |
|-------------------|------------------------------------------------|
| Status            | Commercial: Active                             |
| Availability      | North America                                  |
| Application       | Foamed Sheet                                   |
| Market            | Rigid Packaging                                |
| Processing Method | Injection Molding; Sheet and Profile Extrusion |

| Typical Properties                           | Nominal Value | English Units     | Nominal Value | SI Units          | Test Method |
|----------------------------------------------|---------------|-------------------|---------------|-------------------|-------------|
| <b>Physical</b>                              |               |                   |               |                   |             |
| Melt Flow Rate, (190 °C/2.16 kg)             | 4.0           | g/10 min          | 4.0           | g/10 min          | ASTM D1238  |
| Density, (23 °C)                             | 0.919         | g/cm <sup>3</sup> | 0.919         | g/cm <sup>3</sup> | ASTM D1505  |
| <b>Mechanical</b>                            |               |                   |               |                   |             |
| Flexural Modulus, (1% Secant)                | 28700         | psi               | 198           | MPa               | ASTM D790   |
| Tensile Strength at Yield                    | 1590          | psi               | 11            | MPa               | ASTM D638   |
| Tensile Elongation at Yield                  | 640           | %                 | 640           | %                 | ASTM D638   |
| <b>Thermal</b>                               |               |                   |               |                   |             |
| Low Temperature Brittleness, F <sub>50</sub> | <-105         | °F                | <-76          | °C                | ASTM D746   |

## Notes

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.

## Company Information

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