

Petrothene NA940000

(PE-LD)

LyondellBasell Industries

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 0.25 | g/10min | ASTM D 1238 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Strength at Break | 14.5 | MPa | ASTM D 638 |
| Elongation at Break | 600 | % | ASTM D 638 |
| Flexural Modulus | 234.4 | MPa | ASTM D 790 |
| Shore D Hardness | 50 | - | ASTM D 2240 |

| Thermal properties | Value | Unit | Test Standard |
|--------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 42 | °C | ASTM D 648 |
| Vicat Temperature | 90 | °C | ASTM D 1525 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 918 | kg/m ³ | ASTM D 792 |

| Film Properties | Value | Unit | Test Standard |
|-----------------------|--------|------|---------------|
| ASTM Data | | | |
| Tensile Strength, MD | 20.7 | MPa | ASTM D 882 |
| Tensile Strength, TD | 19.3 | MPa | ASTM D 882 |
| Type of extrusion | blown | - | - |
| Thickness of specimen | 0.0318 | mm | - |

Characteristics**Processing**

Film Extrusion, Blow Molding

Certifications

Food contact, Food approval FDA 21 CFR

Features

Homopolymer

Regional Availability

North America