

TOTAL 3825

PP

TotalEnergies

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|---------------|
| ASTM Data | | | |
| Melt Flow Index, MFI | 30 | g/10min | ASTM D 1238 |

| Mechanical properties | Value | Unit | Test Standard |
|-------------------------------|-------|------|---------------|
| ASTM Data | | | |
| Tensile Modulus | 1448 | MPa | ASTM D 638 |
| Tensile Strength at Yield | 33.1 | MPa | ASTM D 638 |
| Flexural Modulus | 1517 | MPa | ASTM D 790 |
| Rockwell Hardness | R 104 | - | ASTM D 785 |
| Izod Impact notched, 1/8 in | 21.4 | J/m | ASTM D 256 |
| Izod Impact unnotched, 1/8 in | 854 | J/m | ASTM D 256 |

| Thermal properties | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| ASTM Data | | | |
| DTUL @ 66 psi | 121 | °C | ASTM D 648 |
| Melting Temperature | 166 | °C | ASTM D 3418 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 905 | kg/m ³ | ASTM D 792 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Melt temperature | 200 - 232 | °C | - |

Characteristics**Processing**

Injection Molding

Features

Homopolymer

Certifications

Food contact, Food approval FDA 21 CFR

Regional Availability

North America