

**21N2S**

PP

Invista

| Processing/Physical Characteristics | Value | Unit    | Test Standard |
|-------------------------------------|-------|---------|---------------|
| <b>ASTM Data</b>                    |       |         |               |
| Melt Flow Index, MFI                | 2.3   | g/10min | ASTM D 1238   |

| Mechanical properties       | Value | Unit | Test Standard |
|-----------------------------|-------|------|---------------|
| <b>ASTM Data</b>            |       |      |               |
| Tensile Strength at Yield   | 40.3  | MPa  | ASTM D 638    |
| Elongation at Yield         | 4.6   | %    | ASTM D 638    |
| Flexural Modulus            | 2345  | MPa  | ASTM D 790    |
| Rockwell Hardness           | R 110 | -    | ASTM D 785    |
| Izod Impact notched, 1/8 in | 21.5  | J/m  | ASTM D 256    |

| Thermal properties  | Value | Unit | Test Standard |
|---------------------|-------|------|---------------|
| <b>ASTM Data</b>    |       |      |               |
| DTUL @ 66 psi       | 133   | °C   | ASTM D 648    |
| Melting Temperature | 167   | °C   | ASTM D 3418   |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 900   | kg/m <sup>3</sup> | ASTM D 792    |

| Processing Recommendation Extrusion | Value     | Unit | Test Standard |
|-------------------------------------|-----------|------|---------------|
| Type of extrusion                   | sheet     | -    | -             |
| Melt temperature                    | 232 - 249 | °C   | -             |
| Feed temperature                    | 193 - 216 | °C   | -             |
| Zone 1                              | 204 - 227 | °C   | -             |
| Zone 2                              | 210 - 232 | °C   | -             |
| Zone 3                              | 227 - 243 | °C   | -             |
| Zone 4                              | 227 - 243 | °C   | -             |

**Characteristics****Processing**

Sheet Extrusion, Thermoforming

**Special Characteristics**

Heat stabilized or stable to heat

**Features**

High Crystallinity, Nucleated, Homopolymer

**Certifications**

Food contact, Food approval FDA 21 CFR, RoHS compliant

**Applications**

Packaging

**Regional Availability**

North America