

**Petrothene GA578189**

(PE-LLD)

LyondellBasell Industries

| <b>Processing/Physical Characteristics</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--|--------------|-------------|----------------------|
| <b>ASTM Data</b>                           |              |             |                      |
| Melt Flow Index, MFI                       | <b>85</b>    | g/10min     | ASTM D 1238          |
| Temperature                                | <b>190</b>   | °C          | -                    |
| Load                                       | <b>2.16</b>  | kg          | -                    |

| <b>Mechanical properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>             |              |             |                      |
| Tensile Strength at Yield    | <b>17</b>    | MPa         | ASTM D 638           |
| Tensile Strength at Break    | <b>13</b>    | MPa         | ASTM D 638           |
| Elongation at Yield          | <b>10</b>    | %           | ASTM D 638           |
| Shore D Hardness             | <b>54</b>    | -           | ASTM D 2240          |

| <b>Thermal properties</b> | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|---------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>          |              |             |                      |
| DTUL @ 66 psi             | <b>50</b>    | °C          | ASTM D 648           |
| Vicat Temperature         | <b>85</b>    | °C          | ASTM D 1525          |

| <b>Other properties</b> | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|-------------------------|--------------|-------------------|----------------------|
| Density                 | <b>928</b>   | kg/m <sup>3</sup> | ASTM D 792           |

**Characteristics****Processing**

Injection Molding

**Applications**

Packaging

**Delivery form**

Pellets

**Regional Availability**

North America