

**Product Texts**

PET bottle recycling grade.

**Processing/Physical Characteristics**

|                    | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>   |              |             |                      |
| Mold Shrinkage, MD | <b>0.012</b> | mm/mm       | ASTM D 955           |
| Mold Shrinkage, TD | <b>0.013</b> | mm/mm       | ASTM D 955           |

**Mechanical properties**

|                             | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|-----------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>            |              |             |                      |
| Tensile Modulus             | <b>4400</b>  | MPa         | ASTM D 638           |
| Tensile Strength            | <b>55</b>    | MPa         | ASTM D 638           |
| Flexural Modulus            | <b>2600</b>  | MPa         | ASTM D 790           |
| Flexural Strength           | <b>100</b>   | MPa         | ASTM D 790           |
| Rockwell Hardness           | <b>M 90</b>  | -           | ASTM D 785           |
| Izod Impact notched, 1/8 in | <b>40</b>    | J/m         | ASTM D 256           |

**Thermal properties**

|                                      | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|--------------------------------------|--------------|-------------|----------------------|
| <b>ASTM Data</b>                     |              |             |                      |
| Coefficient of Thermal Expansion, MD | <b>45</b>    | E-6/K       | ASTM D 696           |
| DTUL @ 66 psi                        | <b>200</b>   | °C          | ASTM D 648           |

**Other properties**

|                        | <b>Value</b> | <b>Unit</b>       | <b>Test Standard</b> |
|------------------------|--------------|-------------------|----------------------|
| Water Absorption, 24hr | <b>0.06</b>  | %                 | ASTM D 570           |
| Density                | <b>1440</b>  | kg/m <sup>3</sup> | ASTM D 792           |

**Processing Recommendation Injection Molding**

|                  | <b>Value</b> | <b>Unit</b> | <b>Test Standard</b> |
|------------------|--------------|-------------|----------------------|
| Mold temperature | <b>110</b>   | °C          | -                    |

**Characteristics**

**Processing**

Injection Molding

**Additives**

Release agent

**Certifications**

Recycled Resin Content

**Applications**

Automotive, General Purpose

**Regional Availability**

North America, Europe, Asia Pacific