



## Edgetek™ ET5200-5026 LD Natural 70

### Polypropylene Copolymer

#### Key Characteristics

| General               |                                                                                                                      |
|-----------------------|----------------------------------------------------------------------------------------------------------------------|
| Material Status       | • Commercial: Active                                                                                                 |
| Regional Availability | • Europe                                                                                                             |
| Features              | • Good Heat Resistance • Good Strength • Good Stiffness • Heat Stabilized • Low Density • Medium Flow                |
| Uses                  | • Appliance Components • Consumer Applications • Automotive Applications • General Purpose • Industrial Applications |
| RoHS Compliance       | • RoHS Compliant                                                                                                     |
| Appearance            | • Natural Color                                                                                                      |
| Forms                 | • Pellets                                                                                                            |
| Processing Method     | • Injection Molding                                                                                                  |

#### Technical Properties <sup>1</sup>

| Physical                                                     | Typical Value (English)   | Typical Value (SI)      | Test Method |
|--------------------------------------------------------------|---------------------------|-------------------------|-------------|
| Density                                                      | 0.900 g/cm <sup>3</sup>   | 0.900 g/cm <sup>3</sup> | ISO 1183    |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)                    | 4.0 g/10 min              | 4.0 g/10 min            | ISO 1133    |
| Mechanical                                                   | Typical Value (English)   | Typical Value (SI)      | Test Method |
| Tensile Modulus <sup>2</sup>                                 | 508000 psi                | 3500 MPa                | ISO 527     |
| Tensile Stress                                               | 5800 psi                  | 40.0 MPa                | ISO 527-2/5 |
| Tensile Strain (Break)                                       | 3.0 %                     | 3.0 %                   | ISO 527-2/5 |
| Impact                                                       | Typical Value (English)   | Typical Value (SI)      | Test Method |
| Charpy Unnotched Impact Strength                             | 14 ft·lb/in <sup>2</sup>  | 30 kJ/m <sup>2</sup>    | ISO 179/1eU |
| Notched Izod Impact Strength                                 | 4.8 ft·lb/in <sup>2</sup> | 10 kJ/m <sup>2</sup>    | ISO 180/A   |
| Thermal                                                      | Typical Value (English)   | Typical Value (SI)      | Test Method |
| Heat Deflection Temperature<br>264 psi (1.8 MPa), Unannealed | 266 °F                    | 130 °C                  | ISO 75-2/A  |

#### Processing Information

| Injection          | Typical Value (English) | Typical Value (SI) |
|--------------------|-------------------------|--------------------|
| Drying Temperature | 176 °F                  | 80 °C              |
| Drying Time        | 1.0 hr                  | 1.0 hr             |
| Rear Temperature   | 347 to 365 °F           | 175 to 185 °C      |
| Middle Temperature | 356 to 374 °F           | 180 to 190 °C      |
| Front Temperature  | 365 to 383 °F           | 185 to 195 °C      |
| Nozzle Temperature | 383 to 392 °F           | 195 to 200 °C      |
| Mold Temperature   | 77 to 131 °F            | 25 to 55 °C        |

#### Notes

<sup>1</sup> Typical values are not to be construed as specifications.

<sup>2</sup> 0.039 in/min (1.0 mm/min)