

# Zytel® 73G30T BK261

NYLON RESIN

DuPont Performance Polymers

Message:

30% Glass Reinforced, Toughened, Polyamide 6

| General Information                               |        |                                  |                   |             |
|---------------------------------------------------|--------|----------------------------------|-------------------|-------------|
| UL YellowCard                                     |        | E41938-234339                    |                   |             |
| Filler / Reinforcement                            |        | Glass Fiber,30% Filler by Weight |                   |             |
| Processing Method                                 |        | Injection Molding                |                   |             |
| Part Marking Code (ISO 11469)                     |        | >PA6-IGF30<                      |                   |             |
| Resin ID (ISO 1043)                               |        | PA6-IGF30                        |                   |             |
| Physical                                          | Dry    | Conditioned                      | Unit              | Test Method |
| Density                                           | 1.34   | --                               | g/cm <sup>3</sup> | ISO 1183    |
| Mechanical                                        | Dry    | Conditioned                      | Unit              | Test Method |
| Tensile Modulus                                   | 9400   | 5600                             | MPa               | ISO 527-2   |
| Tensile Stress (Break)                            | 170    | 110                              | MPa               | ISO 527-2   |
| Tensile Strain (Break)                            | 3.0    | 6.0                              | %                 | ISO 527-2   |
| Flexural Modulus                                  | 9000   | 5700                             | MPa               | ISO 178     |
| Impact                                            | Dry    | Conditioned                      | Unit              | Test Method |
| Charpy Notched Impact Strength                    |        |                                  |                   | ISO 179/1eA |
| -30°C                                             | 10     | 10                               | kJ/m <sup>2</sup> |             |
| 23°C                                              | 18     | 25                               | kJ/m <sup>2</sup> |             |
| Charpy Unnotched Impact Strength (23°C)           |        |                                  |                   | ISO 179/1eU |
|                                                   | 95     | 95                               | kJ/m <sup>2</sup> |             |
| Notched Izod Impact Strength                      |        |                                  |                   | ISO 180/1A  |
| -30°C                                             | 11     | 11                               | kJ/m <sup>2</sup> |             |
| 23°C                                              | 17     | 22                               | kJ/m <sup>2</sup> |             |
| Unnotched Izod Impact Strength (23°C)             |        |                                  |                   | ISO 180/1U  |
|                                                   | 75     | 75                               | kJ/m <sup>2</sup> |             |
| Thermal                                           | Dry    | Conditioned                      | Unit              | Test Method |
| Heat Deflection Temperature (1.8 MPa, Unannealed) |        |                                  |                   |             |
|                                                   | 206    | --                               | °C                | ISO 75-2/A  |
| Melting Temperature <sup>1</sup>                  |        |                                  |                   |             |
|                                                   | 221    | --                               | °C                | ISO 11357-3 |
| CLTE                                              |        |                                  |                   | ISO 11359-2 |
| Flow                                              | 4.0E-6 | --                               | cm/cm/°C          |             |
| Transverse                                        | 1.1E-4 | --                               | cm/cm/°C          |             |
| Flammability                                      | Dry    | Conditioned                      |                   | Test Method |

|                                          |    |    |                      |
|------------------------------------------|----|----|----------------------|
| Flammability Classification<br>(1.50 mm) | HB | -- | IEC 60695-11-10, -20 |
|------------------------------------------|----|----|----------------------|

NOTE

- 10°C/min

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