# Zytel® RS LC2600 BK043A

PA*... Celanese

## Product Texts

**Zytel® RS LC2600 BK043A is an unreinforced, plasticized, high viscosity, biobased long chain polyamide resin developed for air brake tubes and fluid handling applications.**

| Mechanical properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Tensile Modulus | **1150 / 660** | MPa | ISO 527 |
| [C] Yield stress | **37.2 / 35.5** | MPa | ISO 527 |
| [C] Yield strain | **19 / 30** | % | ISO 527 |
| [C] Nominal strain at break | **>50 / >50** | % | ISO 527 |
| [C] Charpy impact strength, +23°C | **N / -** | kJ/m² | ISO 179/1eU |
| [C] Charpy notched impact strength, +23°C | **65 / -** | kJ/m² | ISO 179/1eA |
| [C] Charpy notched impact strength, -30°C | **11 / -** | kJ/m² | ISO 179/1eA |

[C]: CAMPUS

| Thermal properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| **ISO Data** | | | |
| [C] Melting temperature, 10°C/min | **220 / *** | °C | ISO 11357-1/-3 |
| [C] Glass transition temperature, 10°C/min | **40 / *** | °C | ISO 11357-1/-2 |
| [C] Temp. of deflection under load, 1.80 MPa | **43 / *** | °C | ISO 75-1/-2 |

[C]: CAMPUS

| Other properties | dry / cond | Unit | Test Standard |
|---|---|---|---|
| [C] Humidity absorption | **1 / *** | % | Sim. to ISO 62 |
| [C] Density | **1050 / -** | kg/m³ | ISO 1183 |

[C]: CAMPUS

## Characteristics

### Processing
Injection Molding, Profile Extrusion, Other Extrusion

### Delivery form
Pellets, Black

### Additives
Plasticizer

### Special Characteristics
Heat stabilized or stable to heat

### Certifications
Contains renewable resources

### Regional Availability
North America, Europe, Asia Pacific, South and Central America


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