

NYPOL S3 HS ST NTLA010 NB323

Product Description

High Impact, Heat Stabilized, Bio-based polyamide 5.6

General Considerations

| | |
|------------|---------------------|
| Resin | · >PA< |
| Additive | · Heat Stabilized |
| Processing | · Injection Molding |
| Color | · Natural |

| Physical | Value | Unit | Method |
|----------------------------|-------|-------------------|------------|
| Density / Specific Gravity | 1,09 | g/cm ³ | ASTM D 792 |

| Mechanical | Value | Unit | Method |
|--------------------------------------|-------|-------------------|-------------|
| Yield Stress | 46 | MPa | ISO 527-1-2 |
| Yield Strain | 48 | % | ISO 527-1-2 |
| Flexural Strength | 68 | MPa | ISO 178 |
| Flexural Modulus | 1.394 | MPa | ISO 178 |
| Izod Notched Impact Strength 23°C | 75 | kJ/m ² | ISO 180/1A |

| Flammability | Value | Unit | Method |
|--------------|-------|------|--------|
| Flame Rating | HB | - | UL94 |

| Process | | Unit | Method |
|-----------------------------|------------|----------|--------|
| Molding Process Temperature | 240 to 250 | °C | -- |
| Mold Temperature | 40 to 90 | °C | -- |
| Drying | 80/4 | °C/Hours | -- |

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