

**NYPOL S3 G30 HS UV RH PRTA011 NB311**

**Product Description**

30% Glass Fiber, Heat Stabilized, Bio-based Polyamide 5.6

**General Considerations**

|                        |                                     |
|------------------------|-------------------------------------|
| Resin                  | · >PAGF30<                          |
| Filler / Reinforcement | · Glass Fiber, 30% Filler by Weight |
| Additive               | · Heat Stabilized                   |
| Processing             | · Injection Molding                 |
| Color                  | · Black                             |

| Physical                   | Value | Unit              | Method     |
|----------------------------|-------|-------------------|------------|
| Density / Specific Gravity | 1,37  | g/cm <sup>3</sup> | ASTM D 792 |

| Mechanical                           | Value | Unit              | Method      |
|--------------------------------------|-------|-------------------|-------------|
| Yield Stress                         | 180   | MPa               | ISO 527-1-2 |
| Yield Strain                         | 4,8   | %                 | ISO 527-1-2 |
| Flexural Strength                    | 240   | MPa               | ISO 178     |
| Flexural Modulus                     | 8.500 | MPa               | ISO 178     |
| Izod Notched Impact Strength<br>23°C | 8,0   | kJ/m <sup>2</sup> | ISO 180/1A  |

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

| Process                     |            | Unit     | Method |
|-----------------------------|------------|----------|--------|
| Molding Process Temperature | 250 to 265 | °C       | --     |
| Mold Temperature            | 40 to 90   | °C       | --     |
| Drying                      | 80/4       | °C/Hours | --     |

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