

# PLUSTEK PB340S6NT

## Polyamide 6+GB

**Product Description:**  
 PLUSTEK PB340S6NT is Natural, 30% Glass Beads Reinforced, Good Dimentional Stability POLYAMIDE 6 Injection Molding Applications

**Product Information:**

| Characteristic                           | Unit              | Test method  | Property value |
|------------------------------------------|-------------------|--------------|----------------|
| <b>Physical</b>                          |                   |              |                |
| Density                                  | g/cm <sup>3</sup> | ISO 1183     | 1.35           |
| Moisture absorption equilibrium 23C/50RH | %                 | ISO-62       | 3.6            |
| Mold Shrinkage Flow 2mm                  | %                 | Internal     | 0.9-1.1        |
| Mold Shrinkage X Flow 2mm                | %                 | Internal     | 0.95-1.2       |
| Water absorption, equilibrium at 23C     | %                 | ISO-62       | 6.8            |
| <b>Mechanical</b>                        |                   |              |                |
| Flexural Modulus                         | MPa               | ISO 178      | 4010           |
| Flexural Modulus Conditioned             | MPa               | ISO 178      | 1800           |
| Flexural Strength                        | MPa               | ISO 178      | 115            |
| Flexural Strength Conditioned            | MPa               | ISO 178      | 55             |
| Strain at Break                          | %                 | ISO 527-2/1A | 4              |
| Strain at Break Conditioned              | %                 | ISO 527-2/1A | 36             |
| Tensile Modulus                          | MPa               | ISO 527-2/1A | 4760           |
| Tensile Modulus Conditioned              | MPa               | ISO 527-2/1A | 1700           |
| Tensile Strength                         | MPa               | ISO 527-2/1A | 67             |
| Tensile Strength Conditioned             | MPa               | ISO 527-2/1A | 40             |
| <b>Impact</b>                            |                   |              |                |
| Notched Charpy Impact                    | kJ/m <sup>2</sup> | ISO179-1/1eA | 3.1            |
| Notched Charpy Impact -30C               | kJ/m <sup>2</sup> | ISO179-1/1eA | 3.2            |
| Notched IZOD Impact Conditioned          | kJ/m <sup>2</sup> | ISO 180      | 6              |
| Notched Izod Impact                      | kJ/m <sup>2</sup> | ISO 180ISO 1 | 3.7            |
| Notched Izod Impact -30                  | kJ/m <sup>2</sup> | ISO 180      | 3.5            |
| Un Notched Charpy Impact                 | kJ/m <sup>2</sup> | ISO179-1/1eU | 35             |

| Characteristic                | Unit              | Test method  | Property value |
|-------------------------------|-------------------|--------------|----------------|
| Un Notched Charpy Impact -30C | kJ/m <sup>2</sup> | ISO179-1/1eU | 32             |
| <b>Thermal</b>                |                   |              |                |
| HDT 0.45MPa                   | °C                | ISO-75       | 182            |
| HDT 1.8MPa                    | °C                | ISO-75       | 70             |
| Melting Point                 | °C                | ISO 11357-3  | 220            |
| <b>Flammability</b>           |                   |              |                |
| Flammability FMVSS302         | mm/min            | FMVSS 302    | <100           |

**Regulations:****ROHS2:** ROHS Compliance**SVHC:** SVHC Compliance**Conflict Minerals:** Compliance**Pre Drying Temperature:** 80°C**Pre Drying Duration:** 2-4 Hours**Max Moisture:** 0.15%**Processing recommendations:****Recommended Mold Temperature:** 65-80°C**Feed:** 60-70°C**Zone 1:** 240-280°C**Zone 2:** 240-280°C**Zone 3:** 240-280°C**Revision #: 5****Revision Date: 15 Oct 2024**

The technical data contained herein are guides to use Polyram resins. Information contained herein is to the best knowledge, true and assure. The customer is nevertheless obliged to run an incoming material control.