

## Technical Data Sheet

# Schulamid 66 GF 20

Polyamide 66  
LyondellBasell Industries  
Engineering Plastics

### Product Description

20% glass fiber reinforced PA 66

### General

|                        |                                     |
|------------------------|-------------------------------------|
| Filler / Reinforcement | • Glass Fiber, 20% Filler by Weight |
| Processing Method      | • Injection Molding                 |

| Physical  | Dry               | Conditioned | Unit  | Test Method    |
|---|-------------------|-------------|---|----------------|
| Density   | 1.26              | --          | g/cm <sup>3</sup>                             | ISO 1183/A     |
| Viscosity Number                                | 140               | --          | cm <sup>3</sup> /g                            | ISO 307        |
| Mechanical                                      | Dry               | Conditioned | Unit  | Test Method    |
| Tensile Modulus                                 | 1.00E+6<br>(6900) | --          | psi<br>(MPa)                                  | ISO 527-1/1A/1 |
| Tensile Stress (Break)                          | 17400<br>(120)    | --          | psi<br>(MPa)                                  | ISO 527-2/1A/5 |
| Tensile Strain (Break)                          | 2.5               | --          | %   | ISO 527-2/1A/5 |
| Impact  | Dry               | Conditioned | Unit  | Test Method    |
| Charpy Notched Impact Strength (73°F (23°C))    | 3.8<br>(8.0)      | --          | ft·lb/in <sup>2</sup><br>(kJ/m <sup>2</sup> ) | ISO 179/1eA    |
| Charpy Unnotched Impact Strength<br>73°F (23°C) | 19<br>(40)        | --          | ft·lb/in <sup>2</sup><br>(kJ/m <sup>2</sup> ) | ISO 179/1eU    |
| Thermal   | Dry               | Conditioned | Unit  | Test Method    |
| Deflection Temperature Under Load               |                   |             |   |                |
| 66 Psi (0.45 Mpa), Unannealed                   | 482<br>(250)      | --          | °F<br>(°C)                                    | ISO 75-2/Bf    |
| 264 Psi (1.8 Mpa), Unannealed                   | 466<br>(241)      | --          | °F<br>(°C)                                    | ISO 75-2/Af    |
| Electrical                                      | Dry               | Conditioned | Unit  | Test Method    |
| Surface Resistivity                             | > 1.0E+15         | --          | ohms  | IEC 60093      |
| Volume Resistivity                              | > 1.0E+13         | 1.0E+10     | ohms·m  | IEC 62631-3-1  |
| Comparative Tracking Index                      | 450               | --          | V   | IEC 60112      |
| Flammability                                    | Dry               | Conditioned | Unit  | Test Method    |
| Burning Rate                                    |                   |             |   |                |
| 0.0787 In (2.00 Mm)                             | 1.6<br>(40)       | --          | in/min<br>(mm/min)                            | ISO 3795       |
| 0.0787 In (2.00 Mm)                             | 1.6<br>(40)       | --          | in/min<br>(mm/min)                            | FMVSS 302      |
| Glow Wire Flammability Index                    | 1200<br>(650)     | --          | °F<br>(°C)                                    | IEC 60695-2-12 |

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| Injection              | Dry (English)  | Dry (SI)       |
|------------------------|----------------|----------------|
| Drying Temperature     | 176 °F         | 80 °C          |
| Drying Time            | 3.0 to 4.0 hr  | 3.0 to 4.0 hr  |
| Suggested Max Moisture | 0.04 to 0.10 % | 0.04 to 0.10 % |
| Processing (Melt) Temp | 536 to 572 °F  | 280 to 300 °C  |
| Mold Temperature       | 140 to 248 °F  | 60 to 120 °C   |

**Notes**

These are typical property values not to be construed as specification limits.