

## Technical Data Sheet

### Schulamid F662E33HLBKBLK



Polyamide 66

#### Product Description

Schulamid F662E33HLBKBLK is a Polyamide 66 Glass Fiber, 33% filled material and is typically used in Injection Molding applications. Features include: Heat Stabilized, Lubricated, and Medium Impact Resistance.

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Processing Method    | Injection Molding                                     |
| Attribute            | Heat Stabilized; Lubricated; Medium Impact Resistance |
| Forms                | Pellets                                               |
| Additive             | Heat Stabilizer; Lubricant                            |
| Filler/Reinforcement | Glass Fiber, 33%                                      |

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Density - Specific Gravity                             | 1.37          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield, (23 °C)                     | 159           | MPa               | ASTM D638   |
| Flexural Modulus, (Tangent)                            | 9650          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Gardner Impact                                         | 0.904         | J                 | ASTM D3029  |
| Notched Izod Impact, (3.18 mm)                         | 110           | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 215           | °C                | ASTM D648   |
| Deflection Temperature Under Load Unannealed (66 psi)  | 224           | °C                | ASTM D648   |

| Injection Parameters   | Nominal Value | Units |
|------------------------|---------------|-------|
| Drying Time            | 4.0 to 6.0    | hr    |
| Drying Temperature     | 71 to 93      | °C    |
| Processing (Melt) Temp | 277 to 299    | °C    |
| Front Temperature      | 271 to 299    | °C    |
| Middle Temperature     | 271 to 299    | °C    |
| Rear Temperature       | 271 to 299    | °C    |
| Injection Rate         | Moderate-Fast |       |
| Back Pressure          | <0.345        | MPa   |
| Mold Temperature       | 66 to 93      | °C    |
| Cushion                | 6.35 to 12.7  | mm    |