

## Technical Data Sheet

### *Schulamid F663E33BKBLK*

Polyamide 66

#### Product Description

33% Glass Reinforced Nylon 66

**Processing Method** Injection Molding

**Forms** Pellets

**Filler/Reinforcement** Glass Fiber, 33%

| Typical Properties                                     | Nominal Value | Units             | Test Method |
|--------------------------------------------------------|---------------|-------------------|-------------|
| <b>Physical</b>                                        |               |                   |             |
| Density - Specific Gravity                             | 1.38          | g/cm <sup>3</sup> | ASTM D792   |
| <b>Mechanical</b>                                      |               |                   |             |
| Tensile Strength at Yield                              | 149           | MPa               | ASTM D638   |
| Flexural Modulus, (Tangent)                            | 9310          | MPa               | ASTM D790   |
| <b>Impact</b>                                          |               |                   |             |
| Notched Izod Impact                                    | 80            | J/m               | ASTM D256   |
| <b>Thermal</b>                                         |               |                   |             |
| Deflection Temperature Under Load Unannealed (264 psi) | 249           | °C                | ASTM D648   |
| <b>UL Information</b>                                  |               |                   |             |
| Flame Rating                                           | HB            |                   | UL 94       |
| <b>Injection Parameters</b>                            |               |                   |             |
|                                                        | Value         | Units             |             |
| Drying Time                                            | 4.0 to 6.0    | hr                |             |
| Drying Temperature                                     | 71 to 93      | °C                |             |
| Processing (Melt) Temp                                 | 249 to 293    | °C                |             |
| Front Temperature                                      | 249 to 293    | °C                |             |
| Middle Temperature                                     | 249 to 293    | °C                |             |
| Rear Temperature                                       | 249 to 271    | °C                |             |
| Injection Rate                                         | Moderate-Fast |                   |             |
| Back Pressure                                          | <0.345        | MPa               |             |
| Mold Temperature                                       | 66 to 93      | °C                |             |
| Cushion                                                | 6.35 to 12.7  | mm                |             |