

## Technical Data Sheet

### *Schulblend* SBL WR 5UVCA VW Y20K GRY



Polycarbonate + ASA

#### Product Description

PC-ASA blend with increased impact strength, heat resistance and weather resistance; permanent antistatic

**Processing Method** Injection Molding

**Attribute** Good Impact Resistance; Good Weather Resistance; High Heat Resistance

**Additive** Antistatic

| Typical Properties                                                  | Nominal Value | Units                   | Test Method |
|---------------------------------------------------------------------|---------------|-------------------------|-------------|
| <b>Physical</b>                                                     |               |                         |             |
| Melt Volume Flow Rate, (260 °C/5.0 kg)                              | 30            | cm <sup>3</sup> /10 min | ISO 1133    |
| Density, (Method A)                                                 | 1.16          | g/cm <sup>3</sup>       | ISO 1183    |
| <b>Mechanical</b>                                                   |               |                         |             |
| Tensile Stress at Yield, (Type 1A, 50 mm/min)                       | 42.0          | MPa                     | ISO 527-2   |
| Tensile Strain at Break, (Type 1A, 5 mm/min)                        | 78            | %                       | ISO 527-2   |
| Tensile Strain at Yield, (Type 1A, 50 mm/min)                       | 4.4           | %                       | ISO 527-2   |
| Tensile Stress at Break, (Type 1A, 5 mm/min)                        | 39.0          | MPa                     | ISO 527-2   |
| Tensile Modulus, (1 mm/min, Type 1A)                                | 1800          | MPa                     | ISO 527-1   |
| <b>Impact</b>                                                       |               |                         |             |
| Charpy Impact Strength - Notched                                    |               |                         |             |
| (23 °C, Type 1, Edgewise, Notch A)                                  | 70            | kJ/m <sup>2</sup>       | ISO 179     |
| (-30 °C, Type 1, Edgewise, Notch A)                                 | 14            | kJ/m <sup>2</sup>       | ISO 179     |
| Charpy Impact Strength - Unnotched                                  |               |                         |             |
| (23 °C, Type 1, Edgewise)                                           | No Break      |                         | ISO 179     |
| (-30 °C, Type 1, Edgewise)                                          | No Break      |                         | ISO 179     |
| <b>Thermal</b>                                                      |               |                         |             |
| Vicat Softening Temperature, (B (50N), 50 °C/h)                     | 111           | °C                      | ISO 306     |
| Deflection Temperature Under Load Unannealed (0.45 MPa), (Flatwise) | 112           | °C                      | ISO 75-2/B  |
| Deflection Temperature Under Load Unannealed (1.80 MPa), (Flatwise) | 88.0          | °C                      | ISO 75-2/A  |