

## Technical Data Sheet

### Schulablend M/MA 4206UC.7313



Polycarbonate + ASA

#### Product Description

Schulablend M/MA 4206UC.7313 is an UV stabilized PC/ASA alloy.

**Processing Method** Injection Molding

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

| Typical Properties                                      | Nominal Value | Units      | Test Method |
|---------------------------------------------------------|---------------|------------|-------------|
| <b>Physical</b>                                         |               |            |             |
| Melt Flow Rate, (Procedure A)                           | 3.9           | g/10 min   | ASTM D1238  |
| Melt Volume Flow Rate, (260 °C/2.16 kg)                 | 3.5           | cm³/10 min | ISO 1133    |
| Density - Specific Gravity, (Method A)                  | 1.11          | g/cm³      | ASTM D792   |
| <b>Mechanical</b>                                       |               |            |             |
| Tensile Stress at Yield, (50 mm/min)                    | 36.0          | MPa        | ISO 527-2   |
| Flexural Modulus, (1.3 mm/min)                          | 1750          | MPa        | ISO 178     |
| Tensile Stress at Break, (50 mm/min)                    | 31.0          | MPa        | ISO 527-2   |
| Tensile Modulus, (50 mm/min)                            | 1320          | MPa        | ISO 527-1   |
| <b>Impact</b>                                           |               |            |             |
| Charpy Impact Strength - Notched, (23 °C)               | 31            | kJ/m²      | ISO 179     |
| Notched Izod Impact Strength, (23 °C)                   | 35            | kJ/m²      | ISO 180     |
| <b>Thermal</b>                                          |               |            |             |
| Deflection Temperature Under Load Unannealed (1.80 MPa) | 81            | °C         | ISO 75-2/A  |
| <b>UL Information</b>                                   |               |            |             |
| Flame Rating, (22.6 mm)                                 | HB            |            | UL 94       |
| UL File Number                                          | E51193-       |            |             |

| Injection Parameters                  | Nominal Value | Units |
|---------------------------------------|---------------|-------|
| Drying Time, (Desiccant Dryer)        | 3.0 to 4.0    | hr    |
| Drying Temperature, (Desiccant Dryer) | 93 to 104     | °C    |
| Suggested Max Moisture                | 0.04          | %     |
| Processing (Melt) Temp                | 249 to 271    | °C    |
| Mold Temperature                      | 54 to 71      | °C    |