

# SCHULABLEND® (PC/ASA) WR 5 SHI

Acrylonitrile Styrene Acrylate + PC

A. Schulman Europe

Message:

Very high impact PC/ASA blend

| General Information                         |                     |                        |                 |
|---------------------------------------------|---------------------|------------------------|-----------------|
| Features                                    | Impact modification |                        |                 |
| Processing Method                           | Injection molding   |                        |                 |
| Physical                                    | Nominal Value       | Unit                   | Test Method     |
| Density                                     | 1.12                | g/cm <sup>3</sup>      | ISO 1183/A      |
| Melt Volume-Flow Rate (MVR) (250°C/2.16 kg) | 2.00                | cm <sup>3</sup> /10min | ISO 1133        |
| Hardness                                    | Nominal Value       | Unit                   | Test Method     |
| Ball Indentation Hardness (H 358/30)        | 84.0                | MPa                    | ISO 2039-1      |
| Mechanical                                  | Nominal Value       | Unit                   | Test Method     |
| Tensile Modulus                             | 1800                | MPa                    | ISO 527-2/1A/1  |
| Tensile Stress (Yield)                      | 43.0                | MPa                    | ISO 527-2/1A/50 |
| Tensile Strain (Yield)                      | 4.0                 | %                      | ISO 527-2/1A/50 |
| Impact                                      | Nominal Value       | Unit                   | Test Method     |
| Charpy Notched Impact Strength              |                     |                        | ISO 179/1eA     |
| -30°C                                       | 18                  | kJ/m <sup>2</sup>      | ISO 179/1eA     |
| 23°C                                        | 43                  | kJ/m <sup>2</sup>      | ISO 179/1eA     |
| Charpy Unnotched Impact Strength            |                     |                        | ISO 179/1eU     |
| -30°C                                       | No Break            |                        | ISO 179/1eU     |
| 23°C                                        | No Break            |                        | ISO 179/1eU     |
| Thermal                                     | Nominal Value       | Unit                   | Test Method     |
| Heat Deflection Temperature                 |                     |                        |                 |
| 0.45 MPa, not annealed                      | 109                 | °C                     | ISO 75-2/Bf     |
| 1.8 MPa, not annealed                       | 101                 | °C                     | ISO 75-2/Af     |
| Vicat Softening Temperature                 |                     |                        |                 |
| --                                          | 135                 | °C                     | ISO 306/A50     |
| --                                          | 110                 | °C                     | ISO 306/B50     |
| Electrical                                  | Nominal Value       | Unit                   | Test Method     |
| Surface Resistivity                         | > 1.0E+15           | ohms                   | IEC 60093       |
| Volume Resistivity                          | > 1.0E+13           | ohms · cm              | IEC 60093       |
| Additional Information                      |                     |                        |                 |

1.)  
Not for use in food contact applications2.)  
Not for use in medical or pharmaceutical applications

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