

Technical Data Sheet



ALCOM CFX ABS 1000 UV 17058 SV1049-17MC

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|----------------------|---|
| Base Polymer | Acrylonitrile/Butadiene/Styrene/Copolymer |
| Special Features | metallic effect,UV stabilised |
| Application Area | injection moulded parts |
| Typical Applications | housings,clothing / fasteners |

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|-------------------------------|---|
| Pre-Drying Conditions | 80 °C in a dry air (dessiccant) dryer for 2-4 h 80 °C in an air circulating dryer for 3-6 h dependant on moisture content |
| Processing Injection Moulding | melt temperature 220-260 °C mould temperature 50-80 °C |
| Storage | dry, protected from light |

| Properties | Value | Dimension | Test Norm |
|---|-----------|------------------------|-------------|
| Mechanical Properties | | | |
| Flexural Modulus | 2700 | MPa | ISO 178 |
| Flexural Stress (3.5% Strain) | 71 | MPa | ISO 178 |
| Tensile Modulus | 2400 | MPa | ISO 527 |
| Tensile Stress at Yield | 47 | MPa | ISO 527 |
| Tensile Elongation at Yield | 2.3 | % | ISO 527 |
| Tensile Elongation at Break | 14 | % | ISO 527 |
| Impact Strength (Charpy, 23°C) | 90 | kJ/m ² | ISO 179/1eU |
| Impact Strength (Charpy, -40°C) | 75 | kJ/m ² | ISO 179/1eU |
| Notched Impact Strength (Charpy, 23°C) | 17 | kJ/m ² | ISO 179/1eA |
| Notched Impact Strength (Charpy, -40°C) | 6 | kJ/m ² | ISO 179/1eA |
| Thermal Properties | | | |
| Vicat B50 | 96 | °C | ISO 306 |
| HDT / A (1,8 MPa) | 83 | °C | ISO 75-1/-2 |
| Rheological Properties | | | |
| Melt Index (MVR) | 18 | cm ³ /10min | ISO 1133 |
| MVR temperature | 220 | °C | - |
| MVR load | 10 | kg | - |
| Shrinkage (lengthwise, 24h) | 0.5 - 0.7 | % | ISO 294-4 |
| Shrinkage (lateral, 24h) | 0.4 - 0.6 | % | ISO 294-4 |
| Physical Properties | | | |
| Density | 1050 | kg/m ³ | ISO 1183 |