



Datasheet Cawiton SN990

Application:

Cawiton SN990 is a standard (universal) SEBS with a hardness of 90 Shore A. The mechanical properties of this material are relatively good.

| Typical Properties at 23°C | Standard | Unit | Value |
|----------------------------|----------|--------------------|--------|
| General Properties | | | |
| Polymer abbreviation | | | SEBS |
| Hardness | ISO 868 | Shore A | 90 |
| Density | ISO 2781 | kg/dm ³ | 1,17 |
| Colour | | | opaque |
| Melting point | DSC *1) | °C | 166 |

| Rheological Properties | | | |
|-------------------------------|----------|---------|------|
| Melt Flow Index | ISO 1133 | g/10min | 5,6 |
| Temperature | ISO 1133 | °C | 230 |
| Weight | ISO 1133 | kg | 2,16 |

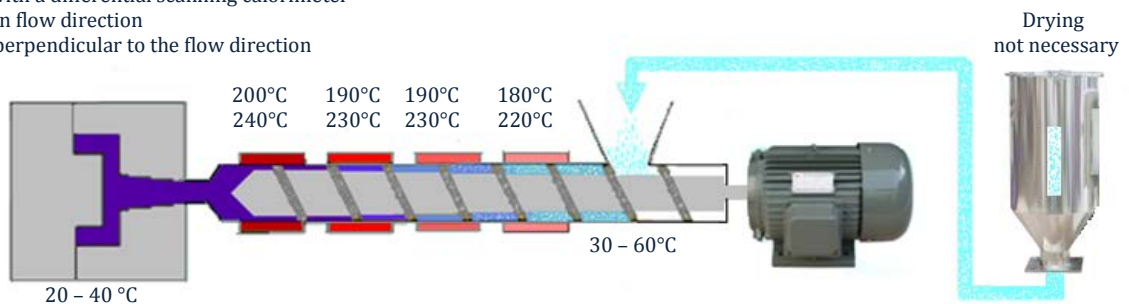
| Mechanical Properties | | | | *2) | *3) |
|-------------------------------------|----------|------|------|------|-----|
| | | | ↓ | ↔ | |
| Tensile strength | ISO 37 | MPa | 6,9 | 9,4 | |
| Elongation at break | ISO 37 | % | 382 | 543 | |
| Tensile modulus at 100 % elongation | ISO 37 | MPa | 5,2 | 4,6 | |
| Tensile modulus at 200 % elongation | ISO 37 | MPa | 5,7 | 5,0 | |
| Tensile modulus at 300 % elongation | ISO 37 | MPa | 6,1 | 5,4 | |
| Tear strength | ISO 34-2 | kN/m | 66,7 | 55,3 | |
| Compression set 22h/70°C | ISO 815 | % | | 66 | |
| Compression set 24h/120°C | ISO 815 | % | | | |

| Processing Properties | | | |
|--------------------------------|--|----|-----------|
| Melt temperature [min. – max.] | | °C | 180 - 240 |

*1 Measured with a differential scanning calorimeter

*2) Measured in flow direction

*3) Measured perpendicular to the flow direction



Please contact our material specialists if you need addition information about this material.