



Datasheet Cawiton SN970

Application:

Cawiton SN970 is a standard (universal) SEBS with a hardness of 70 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	70
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	10,3
Temperature	ISO 1133	°C	230
Weight	ISO 1133	kg	2,16

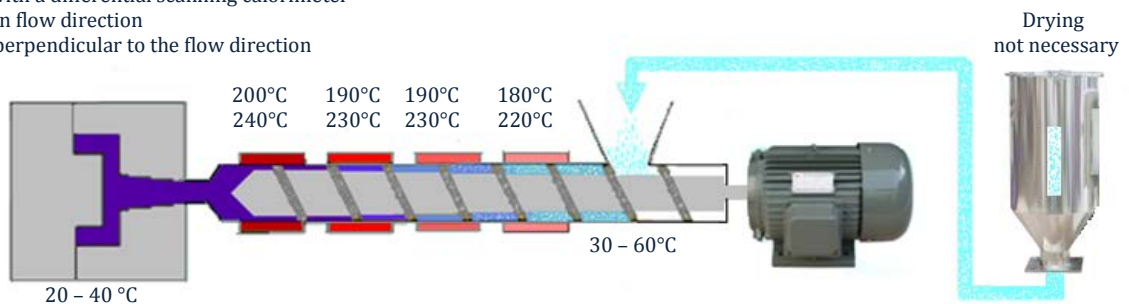
Mechanical Properties			*2) ↓	*3) ↔
Tensile strength	ISO 37	MPa	5,5	7,3
Elongation at break	ISO 37	%	480	642
Tensile modulus at 100 % elongation	ISO 37	MPa	3,0	2,5
Tensile modulus at 200 % elongation	ISO 37	MPa	3,4	2,9
Tensile modulus at 300 % elongation	ISO 37	MPa	3,8	3,4
Tear strength	ISO 34-2	kN/m	31,1	26,9
Compression set 22h/70°C	ISO 815	%		55
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.