

## B 266

### Technical Data Sheet

#### SAN

Kostil® B 266 is a Styrene-Acrylonitrile copolymer with a good chemical resistance and a very low residual monomer content. This general purpose grade combines high clarity with good mechanical properties. Kostil® B 266 is suitable for both injection moulding and extrusion processing.

Designation: Thermoplastics ISO 4894-SAN 2, MRS, 105-15

#### Applications

Kostil® B 266 is suitable for:

- household and small domestic appliances
- refrigerators clear components
- cosmetic packaging
- medical and pharmaceutical items
- sneeze screens (e.g. anti-Covid)
- electrical & electronics
- lighting fittings
- furnishing components
- industrial glazing
- shower boxes.

#### Typical processing data

Injection moulding:

- predrying 1 - 2 hrs at 80°C in circulated air oven
- melt temperature 200 - 250 °C
- mould temperature 40 - 75°C

Extrusion:

- if no venting, predrying 1 - 2 hrs at 80°C in circulated air oven
- melt temperature 180 - 240 °C

#### Certification

✓ UL 94   ✓ NSF 51

Kostil® B 266, as supplied in the original packaging, by composition is compliant to some existing regulations on plastic materials intended for food contact.

#### Storage

- ⚠ Store away from atmospheric agents and direct sunlight, away from sources of heat and light.
- 🕒 The product, if stored correctly, keeps its characteristics for at least fifteen months.

#### General information

Kostil® B 266 is available in different transparent color shades:

- natural B 266 2000
- e B 266 2030



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Property	Test Conditions	Test method	Units	Values
<b>General</b>				
Water absorption	24h - 23°C	ISO 62	%	< 0,2
Density	-	ISO 1183	g/cm <sup>3</sup>	1,07
<b>Rheological</b>				
Melt flow rate	220°C - 10kg	ISO 1133	g/10'	20
Melt flow rate	220°C - 5kg	ISO 1133	g/10'	6
<b>Mechanical</b>				
Tensile strain at break	5 mm/min	ISO 527	%	2,5
Tensile stress at break	5 mm/min	ISO 527	MPa	67
Flexural strength	2 mm/min	ISO 178	MPa	107
Rockwell hardness	L/M	ISO 2039/2	-	M 83
Tensile modulus	1 mm/min	ISO 527	MPa	3550
Charpy impact strength, unnotched	+23°C	ISO 179/2D	kJ/m <sup>2</sup>	12
<b>Thermal</b>				
Coefficient of linear thermal expansion	-	ISO 11359-2	10 <sup>-5</sup> /°C	7
Moulding shrinkage	-	ISO 294/4	%	0,4 ÷ 0,6
Deflection temperature under load (annealed)	1,82 MPa - 120°C/h	ISO 75 A	°C	98
Vicat softening temperature	10 N - 50°C/h	ISO 306/A	°C	108
Vicat softening temperature	50 N - 50°C/h	ISO 306/B	°C	105
<b>Flammability</b>				
Flame behaviour	1,5 mm	UL 94	cl.	HB

