

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
- light blue B 266 2030

For further information, please contact Versalis directly writing to info.styrenics@versalis.eni.com.

B 266

SAN

Technical Data Sheet

Property	Test Conditions	Test method	Units	Values
General				
Water absorption	24h - 23°C	ISO 62	%	< 0,2
Density	-	ISO 1183	g/cm ³	1,07
Rheological				
Melt flow rate	220°C - 10kg	ISO 1133	g/10'	20
Melt flow rate	220°C - 5kg	ISO 1133	g/10'	6
Mechanical				
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 ²	12
Thermal				
Coefficient of linear thermal expansion	-	ISO 11359-2	10 ⁻⁵ /°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
Flammability				
Flame behaviour	1,5 mm	UL 94	cl.	HB

Please consult the relevant safety data sheet for more detailed information.

The information and data presented herein are to the best of our knowledge true and accurate but no warranty or guarantee, expressed or implied, is made nor is any liability accepted.

Versalis is available to provide the guaranteed values for each product on demand.