

B 366

Technical Data Sheet

SAN

Kostil® B 366 is a Styrene-Acrylonitrile copolymer with a good chemical resistance and a very low residual monomer content. This easy flow grade exhibits a high clarity and is designed for the moulding of items with complex shape and with thin walls with fast cycles.

Designation: Thermoplastic ISO 4894-SAN 2,MRS,105-25

Applications

Kostil® B 366 is suitable for:

- cosmetic packaging
- medical and pharmaceutical items
- water tanks for appliances
- lighting
- furnishing components
- catering
- stationery and toys
- sneeze screens (e.g. anti-Covid)

Typical processing data

Injection moulding:

- predrying 1 - 2 hrs at 80°C in circulated air oven
- melt temperature 190 - 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 366, 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 366 is available in different transparent color shades:

- natural B 366 2000
- light blue B 366 2030
- water clear B 366 2050

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

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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'	30
Melt flow rate	220°C - 5kg	ISO 1133	g/10'	10
Mechanical				
Tensile strain at break	5 mm/min	ISO 527	%	2,2
Tensile stress at break	5 mm/min	ISO 527	MPa	66
Flexural strength	2 mm/min	ISO 178	MPa	101
Rockwell hardness	L/M	ISO 2039/2	-	M 83
Tensile modulus	1 mm/min	ISO 527	MPa	3500
Charpy impact strength, unnotched	+23°C	ISO 179/2D	kJ/m ²	11
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.

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