



Kostil®

Styrene-Acrylonitrile copolymer

B 366(1)

TECHNICAL DATA SHEET

Product description

Kostil B 366 is a Styrene-Acrylonitrile copolymer with a good chemical resistance and a very low residual monomers content.

This easy flow grade exhibits a high clarity and it is designed for the moulding of items with complex shapes and/or with thin walls with fast cycles.

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

Applications

Lighting, bathroom furnishing, catering (cups, trays), stationery, toys, displays. Cosmetic, medical and pharmaceutical items.

Typical processing data

Injection Moulding: • predrying 1 - 2 h at 80°C in circulated air oven
• melt temperature 190 - 250°C
• mould temperature 40 - 75°C

General information

Kostil B 366 is available in some standard transparent colours (2000, 2005, 2030, 2050).

It can also be supplied, on request, in other transparent or opaque shades and/or in UV stabilised versions and be delivered in those cases in cylindrical pellets under the name Kostil B 361.

This grade, in natural version, complies by composition with the requirements set by the main Regulations for plastic materials intended for food contact (included the EEC Directive 90/128 and following amendments).

Properties	Test conditions	Test methods	Units	Values
General				
Density		ISO 1183	g/cm ³	1.07
Bulk density		ISO 60	g/cm ³	0.65
Water absorption	24 h - 23°C	ISO 62	%	<0.2
Rheological				
Melt flow rate MFR	220°C - 10 kg	ISO 1133	g/10 min	30
Mechanical				
Tensile stress at yield	5 mm/min	ISO 527	MPa	-
Tensile stress at break	5 mm/min	ISO 527	MPa	66
Tensile strain at break	5 mm/min	ISO 527	%	2.2
Tensile modulus	1 mm/min	ISO 527	MPa	3500
Flexural strength	2 mm/min	ISO 178	MPa	101
Charpy impact strength, unnotched	+23°C	ISO 179/2D	kJ/m ²	11
Rockwell hardness	M scale	ISO 2039/2	-	M83
Thermal				
Vicat softening temperature	10 N - 50°C/h	ISO 306/A	°C	108
	50 N - 50°C/h	ISO 306/B	°C	105
Deflection temp. under load (annealed)	1.8 MPa - 120°C/h	ASTM D 648	°C	98
Moulding shrinkage		internal	%	0.4 ÷ 0.6
Flammability				
Flame behaviour	thickness 1.5 mm	UL 94	class	HB

Issue 01/02

All indicated data refer to natural grades.
 The data, information and suggestions are provided for guidance purposes only.
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 However the Company will provide the guaranteed values for each product on demand.

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