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Technical Data Sheet

Kostil® B 366

Styrene-Acrylonitrile copolymer

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, 2030, 2050).

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).

Kostil®

B 366

Styrene-Acrylonitrile copolymer

Properties	Test conditions	Test methods	Units	Values
General				
Density		ISO 1183	g/cm³	1.07
Bulk density		ISO 60	g/cm³	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 - thickness 3.2 mm	ISO 179/2D	KJ/m²	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

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