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Technical Data Sheet

Kostil® B 266

Styrene-Acrylonitrile copolymer

Kostil B 266 is a Styrene-Acrylonitrile copolymer with a good chemical resistance and a very low residual monomers content.

This general purpose grade is characterised by its high clarity and its good mechanical properties.
Kostil B 266 is recommended for injection moulding and extrusion.

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

Applications

Household and small domestic appliances, large appliances (inside parts).
Cosmetic, medical and pharmaceutical items.
Components for copier, printer and fax.
Lighting fittings.

Typical processing data

Injection Moulding:
- predrying 1 - 2 h at 80°C in circulated air oven
- melt temperature 200 - 250°C
- mould temperature 40 - 75°C

General information

Kostil B 266 is available in some standard transparent colours (2000,2030).

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®

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B 266

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	18
Mechanical				
Tensile stress at yield	5 mm/min	ISO 527	MPa	-
Tensile stress at break	5 mm/min	ISO 527	MPa	67
Tensile strain at break	5 mm/min	ISO 527	%	2.5
Tensile modulus	1 mm/min	ISO 527	MPa	3550
Flexural strength	2 mm/min	ISO 178	MPa	107
Charpy impact strength, unnotched	+23°C - thickness 3.2 mm	ISO 179/2D	KJ/m²	12
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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