



versalis

Technical Data Sheet

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Kostil[®]

Styrene-Acrylonitrile copolymer

B 755

Kostil B 755 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 compounding

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

Applications

Compounding

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 B755 is available in natural shade (2000)

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Styrene-Acrylonitrile copolymer

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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	70
Mechanical				
Tensile stress at yield	5 mm/min	ISO 527	MPa	-
Tensile stress at break	5 mm/min	ISO 527	MPa	54
Tensile strain at break	5 mm/min	ISO 527	%	1,7
Tensile modulus	1 mm/min	ISO 527	MPa	3500
Flexural strength	2 mm/min	ISO 178	MPa	
Charpy impact strength, unnotched	+23°C - thickness 3.2 mm	ISO 179/2D	KJ/m ²	
Rockwell hardness	M scale	ISO 2039/2	-	M83
Thermal				
Vicat softening temperature	10 N - 50°C/h	ISO 306/A	°C	107
	50 N - 50°C/h	ISO 306/B	°C	104
Deflection temp. under load (annealed)	1.8 MPa - 120°C/h	ASTM D 648	°C	97
Moulding shrinkage		internal	%	0.4 ÷ 0.6
Flammability				
Flame behaviour	thickness 1,5 mm	UL 94	class	HB

Issue 01/10

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