

Kostil® B 266

Styrene Acrylonitrile

Versalis S.p.A.

Message:

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. 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. 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).

General Information	
Features	Copolymer
	Food Contact Acceptable
	General Purpose
	Good Chemical Resistance
	High Clarity
	Low Residuals
Uses	Appliance Components
	Appliances
	Cosmetics
	Fittings
	General Purpose
	Household Goods
	Lighting Fixtures
	Medical/Healthcare Applications
	Pharmaceuticals
Agency Ratings	EU 90/128/EEC
Appearance	Clear/Transparent
	Natural Color
Forms	Pellets
Processing Method	Extrusion
	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
	Secant Modulus vs. Strain (ISO 11403-1)

Specific Volume vs Temperature (ISO 11403-2)

Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm ³	ISO 1183
Apparent Density	0.65	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	18	g/10 min	ISO 1133
Molding Shrinkage	0.40 to 0.60	%	Internal Method
Water Absorption (23°C, 24 hr)	< 0.20	%	ISO 62
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (M-Scale)	83		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3550	MPa	ISO 527-2/1
Tensile Stress (Break)	67.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.5	%	ISO 527-2/5
Flexural Stress ¹	107	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	12	kJ/m ²	ISO 179/2U
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (1.8 MPa, Annealed)	98.0	°C	ASTM D648
Vicat Softening Temperature			
--	108	°C	ISO 306/A50
--	105	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.50 mm)	HB		UL 94
Additional Information	Nominal Value		
Designation	Thermoplastics ISO 4894-SAN 2,MRS,105-15		
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	1.0 to 2.0	hr	
Processing (Melt) Temp	200 to 250	°C	
Mold Temperature	40.0 to 75.0	°C	
NOTE			
1.	2.0 mm/min		

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