Kostil® B 366

Styrene Acrylonitrile

Versalis S.p.A.

Message:

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.
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).

General Information	
Features	Copolymer
	Fast Molding Cycle
	Food Contact Acceptable
	Good Chemical Resistance
	Good Flow
	High Clarity
	Low Residuals
Uses	Bathroom Accessories
	Cosmetics
	Cups
	Decorative Displays
	Lighting Fixtures
	Medical/Healthcare Applications
	Pharmaceuticals
	Stationary Supplies
	Support Trays
	Thin-walled Parts
	Toys
Agency Ratings	EU 90/128/EEC
Appearance	Clear/Transparent
	Natural Color
Forms	Pellets
Processing Method	Injection Molding
Multi-Point Data	Isothermal Stress vs. Strain (ISO 11403-1)
	Secant Modulus vs. Strain (ISO 11403-1)
	Shear Modulus vs. Temperature (ISO 11403-1)

Specific Heat vs. Temperature (ISO 11403-2)

Specific Volume vs Temperature (ISO 11403-2)

Viscosity vs. Shear Rate (ISO 11403-2)

Physical	Nominal Value	Unit	Test Method
Density	1.07	g/cm³	ISO 1183
Apparent Density	0.65	g/cm³	ISO 60
Melt Mass-Flow Rate (MFR) (220°C/10.0 kg)	30	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	3500	MPa	ISO 527-2/1
Tensile Stress (Break)	66.0	MPa	ISO 527-2/5
Tensile Strain (Break)	2.2	%	ISO 527-2/5
Flexural Stress [1]	101	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Unnotched Impact Strength (23°C)	11	kJ/m²	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 (1.60 mm)	HB		UL 94
Additional Information	**Nominal Value**		
Designation	Thermoplastics ISO 4894-SAN 2,MRS,105-25		
Injection	**Nominal Value**	**Unit**	
Drying Temperature	80.0	°C	
Drying Time	1.0 to 2.0	hr	
Processing (Melt) Temp	190 to 250	°C	
Mold Temperature	40.0 to 74.9	°C	
NOTE			
1.	2.0 mm/min		

Recommended distributors for this material

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