

## B 4 Venezia

### Technical Data Sheet

#### ABS Resin

Sinkral® B 4 Venezia is an extrusion grade developed for glossy finished items. The combination of its properties, including high elastic modulus, allow the extrusion of sheets with an excellent glossy finishing (even large thicknesses).

Designation: Thermoplastic ISO 2580-ABS 1,EGN,105-04-16-20

#### Applications

Sinkral® B 4 Venezia is an ABS for extruded sheets which require good processability and high glossy finishing.

This ABS is suitable in sectors such as:

- automotive
- furniture edgebands and surfaces.

#### Typical processing data

Extrusion:

- if no venting, pre-drying is required at 80°C for 2 - 4hr in an air circulating oven
- melt temperature 190 - 230°C

#### Certification

✓ UL 94    ✓ FMVSS 302

Sinkral® B 4 Venezia, as supplied in the original packaging, by composition is compliant to some existing regulations on plastic materials intended for food contact.

#### Storage

- ⚠ Store away from atmospheric agents and direct sunlight, away from sources of heat and light.
- 🕒 The product, if stored correctly, keeps its characteristics for at least fifteen months.

#### General information

Sinkral® B 4 Venezia is available in natural colour.

For further information, please contact Versalis directly writing to [info.styrenics@versalis.eni.com](mailto:info.styrenics@versalis.eni.com).

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Property	Test Conditions	Test method	Units	Values
<b>General</b>				
Water absorption	24h - 23°C	ISO 62	%	0,3
Density	-	ISO 1183	g/cm <sup>3</sup>	1,04
<b>Rheological</b>				
Melt flow rate	220°C - 10kg	ISO 1133	g/10'	6
<b>Mechanical</b>				
Strain at yield	50 mm / min	ISO 527	%	3,1
Tensile stress at yield	50 mm/min	ISO 527	MPa	48
Rockwell hardness	Scala R / R Scale	ISO 2039/2	-	110
Tensile modulus	1 mm/min	ISO 527	MPa	2350
Charpy impact strength, notched	+23°C	ISO 179/1eA	kJ/m <sup>2</sup>	16
Izod impact strength, notched	+23°C - 4mm	ISO 180/1A	kJ/m <sup>2</sup>	16
<b>Thermal</b>				
Coefficient of linear thermal expansion	-	ISO 11359-2	10 <sup>-5</sup> /°C	9
Thermal conductivity	-	ASTM C 177	W/(K·m)	0,17
Moulding shrinkage	-	ISO 294/4	%	0,4 ÷ 0,6
Vicat softening temperature	50 N - 50°C/h	ISO 306/B	°C	103,5
<b>Flammability</b>				
Flame behaviour	1,5 mm	UL 94	cl.	HB
Glow wire test (GWT)	3 mm	IEC 60695-2-10	°C	650
<b>Electrical</b>				
Dielectric constant (relative permittivity)	1000 Hz secco/dry	IEC 60250	-	3,1
Dissipation factor	1000 Hz secco/dry	IEC 60250	-	15·10E-3
Surface resistivity	secco / dry	IEC 60093	ohm	10E14
Volume resistivity	secco / dry	IEC 60093	ohm·cm	10E15
Dielectric strength	secco / dry	IEC 60243	kV/mm	30

Please consult the relevant safety data sheet for more detailed information.

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