

## F 722

ABS Resin

Provisional data sheet

Versalis Sinkral® F 722 is an ABS with very high impact properties dedicated to injection moulding: it is specifically designed for applications that require the high processing flowability together with an excellent impact and mechanical performance in use.

### Applications

Versalis Sinkral® F 722 is suitable for:

- luggage
- tool boxes.

### Typical processing data

Injection moulding:

- dry for 2 ÷ 4h at 80°C
- melt temperature: 190°C ÷ 220°C

### Certification

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### 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® F 722 is available in natural colour.



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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'	14
<b>Mechanical</b>				
Tensile strain at break	50 mm/min	ISO 527	%	42
Strain at yield	50 mm / min	ISO 527	%	1,7
Tensile stress at yield	50 mm/min	ISO 527	MPa	39
Tensile modulus	1 mm/min	ISO 527	MPa	2400
Izod impact strength, notched	-30°C - 4mm	ISO 180/1A	kJ/m <sup>2</sup>	11
Izod impact strength, notched	+23°C - 4mm	ISO 180/1A	kJ/m <sup>2</sup>	29
<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	99
<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

