

Sinkral®



B 732/E

ABS Resin

Technical Data Sheet

Versalis Sinkral® B 732/E is a very high impact resistant ABS for sheet extrusion with good processability, high thermal stability and high rigidity.

Designation: Thermoplastic ISO 2580-ABS 1,EG,105-04-35-20

Applications

Sinkral® B 732/E is suitable for extrusion and co-extrusion of thick sheets for:

- transportation
- automotive
- sanitary
- pipes
- window profile.

Typical processing data

Extrusion:

- if no venting, pre-drying required at 80 °C for 2 - 4 hours in an air circulating oven
- melt temperature 200 - 230 °C

Certification

✓ UL 94 ✓ FMVSS 302 ✓ VDA 278 ✓ VDA 277 ✓ VDA 270

Sinkral® B 732/E, 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 732/E is available in natural color.

For further information, please contact Versalis directly writing to info.styrenics@versalis.eni.com .

Sinkral®



B 732/E

ABS Resin

Technical Data Sheet

Property	Test Conditions	Test method	Units	Values
General				
Water absorption	24h - 23°C	ISO 62	%	0,3
Density	-	ISO 1183	g/cm ³	1,04
Rheological				
Melt flow rate	220°C - 10kg	ISO 1133	g/10'	4,5
Mechanical				
Strain at yield	50 mm / min	ISO 527	%	3,1
Tensile stress at yield	50 mm/min	ISO 527	MPa	46
Rockwell hardness	Scala R / R Scale	ISO 2039/2	-	103
Tensile modulus	1 mm/min	ISO 527	MPa	2300
Charpy impact strength, notched	+23°C	ISO 179/1eA	kJ/m ²	27
Izod impact strength, notched	+23°C - 4mm	ISO 180/1A	kJ/m ²	28
Izod impact strength, notched	-30°C - 4mm	ISO 180/1A	kJ/m ²	12
Thermal				
Coefficient of linear thermal expansion	-	ISO 11359-2	10 ⁻⁵ /°C	9
Thermal conductivity	-	ASTM C 177	W/(K.m)	0,17
Moulding shrinkage	-	ISO 294/4	%	0,4 ÷ 0,6
Deflection temperature under load (annealed)	1,82 MPa - 120°C/h	ISO 75 A	°C	97
Vicat softening temperature	50 N - 50°C/h	ISO 306/B	°C	103,5
Flammability				
Flame behaviour	1,5 mm	UL 94	cl.	HB
Glow wire test (GWT)	3 mm	IEC 60695-2-10	°C	650
Electrical				
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.

The information and data presented herein are to the best of our knowledge true and accurate but no warranty or guarantee, expressed or implied, is made nor is any liability accepted.

Versalis is available to provide the guaranteed values for each product on demand.