



ABISTIR MR BIANCO 0091 AD310007S

Acrylonitrile-Butadiene-Styrene Compound (ABS)

Description	ABS grade with medium fluidity and impact resistance
Color	White
Norm compliance	Compliant with Regulation (EC) No 1907/2006 (REACH)
Processing technology	Injection moulding

Physical properties	Typical value	Units	Test Method
Density	1.05	g/cm ³	ASTM D792
Mold Shrinkage	0.5	%	INTERNAL
MFI Melt Flow Index 220°C/10kg	20	g/10min	ASTM D1238
Water absorption (24 h/23°C)	0.10	%	ASTM D570
Mechanical properties	Typical value	Units	Test Method
Tensile strength at yield	40	MPa	ASTM D638
Tensile elongation at break	50	%	ASTM D638
Flexural Modulus	2200	MPa	ASTM D790
IZOD impact strength, notched (23 °C)	200	J/m	ASTM D256
IZOD impact strength, notched (-30 °C)	100	J/m	ASTM D256
IZOD impact strength, notched (0 °C)	150	J/m	ASTM D256
Thermal properties	Typical value	Units	Test Method
Vicat Softening Temperature B (50°C/h at 50 N)	95	°C	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	90	°C	ASTM D648
Ball Pressure Temperature	75	°C	IEC 335
Flammability	Typical value	Units	Test Method
Flame Rating (1,6 mm)	HB	Class	UL94
Flame Rating (3,2 mm)	HB	Class	UL94
GWIT (Glow Wire Ignition Temperature)	650	°C / mm	IEC 60695-2-13
Electrical properties	Typical value	Units	Test Method
CTI Comparative tracking index	600	VOLT	IEC 60112



Processing conditions	Typical value
Drying	2h/80°C
Injection moulding	Typical value
Recommended processing temperatures:	
1st Zone	190°C
2nd Zone	210°C
3rd Zone	230°C
Mould	50-60°C

Storage

This product should be stored in a covered facility and kept away from moisture and heat.

Disclaimer

The figures reported in this Technical Data Sheet are based on tests and analyses carried out in SO.F.TER. laboratories on injection-moulded specimens. These figures indicate the typical material properties and are not to be considered a specification. The user shall always carry out his own tests and analyses in order to verify the suitability of the material for the specific application. Test carried out at 23°C unless otherwise stated.

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