



## ABISTIR 7145/V0-UV BIANCO 0188 AD340075S

### Acrylonitrile-Butadiene-Styrene Compound (ABS)

<b>Description</b>	Flame retardant ABS grade UL94 V-0, UV stabilized
<b>Color</b>	White
<b>Norm compliance</b>	Compliant with Regulation (EC) No 1907/2006 (REACH)
<b>Certifications</b>	UL product certified - File E187982
<b>Processing technology</b>	Injection moulding

Physical properties	Typical value	Units	Test Method
Density	1.24	g/cm <sup>3</sup>	ASTM D792
Mold Shrinkage	0.4	%	INTERNAL
MFI Melt Flow Index 220°C/10kg	20	g/10min	ASTM D1238
Mechanical properties	Typical value	Units	Test Method
Tensile strength at yield	40	MPa	ASTM D638
Tensile elongation at break	20	%	ASTM D638
Flexural Modulus	2000	MPa	ASTM D790
IZOD impact strength, notched (23 °C)	110	J/m	ASTM D256
Thermal properties	Typical value	Units	Test Method
Vicat Softening Temperature B (50°C/h at 50 N)	86	°C	ASTM D1525
HDT Heat Deflection Temperature A (1,82 MPa)	75	°C	ASTM D648
Flammability	Typical value	Units	Test Method
Flame Rating (1,6 mm)	V0	Class	UL94
Flame Rating (3,2 mm)	V0	Class	UL94
Processing conditions	Typical value		
Drying	2h/80°C		
Injection moulding	Typical value		
Recommended processing temperatures:			
1st Zone	180°C		
2nd Zone	200°C		
3rd Zone	210°C		
Mould	40-60°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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