

# Datasheet

Anjacom® ABS	Anjacom® ABS 500G unreinforced		
Technical Data	Norm	Unit	Value
<b>Rheological properties</b>			
MVR Melt volume-flow rate (220°C/10,00kg)	ISO 1133	cm <sup>3</sup> /10min	15
Relative viscosity number	ISO 1628	OE	
Molding shrinkage parallel	ISO 294-4	%	
Molding shrinkage transverse	ISO 294-4	%	
<b>Mechanical properties</b>			
Tensile modulus of elasticity (1mm/min)	ISO 527-1/2	MPa	2200
Tensile stress at yield (50mm/min)	ISO 527-1/2	MPa	41
Elongation (50mm/min)	ISO 527-1/2	%	2
Flexural modulus of elasticity (2mm/min)	ISO 178	MPa	2000
Flexural strength (2mm/min)	ISO 178	MPa	65
Charpy impact strength (23°C)	ISO 179/1eU	kJ/m <sup>2</sup>	NB
Charpy notched impact strength (23°C)	ISO 179/1eA	kJ/m <sup>2</sup>	22
<b>Thermal properties</b>			
Glass transition temperature	DSC	°C	
Heat deflection temperature HDT A (1,8MPa)	ISO 75	°C	89
Heat deflection temperature HDT B (0,45MPa)	ISO 75	°C	
Vicat softening temperature (50K/h 50N)	ISO 306	°C	97
Flammability UL94-HB (1,6mm)	UL94-HB	OE	HB
Yellow card / thickness tested		OE	
FMVSS302		mm/min	ca. 50
<b>Electrical properties</b>			
Electric strength	IEC 60243	kV/mm	
CTI	IEC 112	OE	
Glow-wire flammability test GWFI (4,0mm)	DIN EN 60695-2-12	°C	
<b>Physical properties</b>			
Water absorption (23°C/Water)	ISO 62	%	
Humidity absorption (23°C/50%r.h.)	ISO 62	%	0,3
Density (23°C)	ISO 1183	g/cm <sup>3</sup>	1,040
<b>Processing conditions</b>			
Melt temperature		°C	220-260
Mold temperature		°C	40-80
Predrying conditions (temperature/time)		°C/h	70-90/2-3
Predrying to max. humidity		%	0,2
<p>Our technical advice - whether verbal, in written or by way of trials - is given in good faith, to the best of its knowledge but without warranty, and this also applies where proprietary rights of third parties are involved. It does not release you from the obligation to test the products supplied by us as to their suitability for the intended processes and uses. The application, use and processing of the products are beyond our control and therefore, entirely your own responsibility. Should, in spite of this, liability be established for any damage, it will be limited to the value of the goods delivered by us and used by you. We will, of course, provide products of consistent quality.</p>			