

# Datasheet

<b>Anjacom® ABS</b>		<b>Anjacom ABS R050/7020</b>	
		unreinforced, PC-modified, injection molding, black 91001	
Technical Data	Norm	Unit	Value
<b>Rheological properties</b>			
MVR Melt volume-flow rate (220°C/10,00kg)	ISO 1133	cm³/10min	12
Molding shrinkage parallel	ISO 294-4	%	0,5 - 0,7
Molding shrinkage transverse	ISO 294-4	%	0,5 - 0,7
<b>Mechanical properties</b>			
Tensile modulus of elasticity (1mm/min)	ISO 527-1/2	MPa	2400
Tensile stress at yield (50mm/min)	ISO 527-1/2	MPa	55
Elongation (50mm/min)	ISO 527-1/2	%	
Charpy impact strength (23°C)	ISO 179/1eU	kJ/m²	NB
Charpy notched impact strength (23°C)	ISO 179/1eA	kJ/m²	40
<b>Thermal properties</b>			
Melting temperature	DSC	°C	
Heat deflection temperature HDT A (1,8MPa)	ISO 75	°C	
Heat deflection temperature HDT B (0,45MPa)	ISO 75	°C	
Vicat softening temperature (50K/h 50N)	ISO 306	°C	106
Flammability UL94-HB (1,6mm)	UL94-HB	OE	HB
Yellow card / thickness tested		OE	
<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	%	0,2
Density (23°C)	ISO 1183	g/cm³	1,090
<b>Processing conditions</b>			
Melt temperature		°C	240 - 270
Mold temperature		°C	60 - 80
Predrying conditions (temperature/time)		°C/h	95/2-5
Predrying to max. humidity		%	0,1
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