

**Preliminary  
Technical Data Sheet**



Wir geben Ihrem Kunststoff ein neues Leben

**AURORan® ABS unfilled natural**

ABS pellets, standard viscosity, black

Properties	Test standard	Unit	Value
<b>General</b>			
Density	ISO 1183	g/cm <sup>3</sup>	1,01 ± 0,02
Humidity absorption (23°C, 50% R.H.)	ISO 62	%	0,4 ± 0,1
Water absorption (23°C, water)	ISO 62	%	1,2 ± 0,4
Moisture Content	ISO 760	%	< 0,2
<b>Processing</b>			
Melt Volume Rate (220°C / 10 kg)	ISO 1133	cm <sup>3</sup> /10 min	18 ± 4
Inj. Molding, melt temperature	-	°C	0,6 ± 0,2
Inj. Molding, mold temperature	-	°C	0,6 ± 0,2
Molding shrinkage (parallel)	ISO 294-4	%	0,4 ± 0,1
Molding shrinkage (normal)	ISO 294-4	%	1,0 ± 0,2
<b>Pre-drying</b>			
<b>Mechanical properties</b>			dry
Tensile modulus	ISO 527-1/-2	MPa	2.300
Stress at break	ISO 527-1/-2	MPa	45
Strain at break	ISO 527-1/-2	%	2,7
Charpy unnotched impact strength (23°C)	ISO 179/1eU	kJ/m <sup>2</sup>	70
Charpy unnotched impact strength (-30°C)	ISO 179/1eU	kJ/m <sup>2</sup>	-
Charpy notched impact strength (23°C)	ISO 179/1eA	kJ/m <sup>2</sup>	10
Charpy notched impact strength (-30°C)	ISO 179/1eA	kJ/m <sup>2</sup>	-
<b>Flammability rating</b>			
UL 94, not accredited measurement	ISO 1210 (0,8mm)		-
	ISO 1210 (1,6 mm)		-

The data provided in this data sheet are based on the information available at the time of publication. No warranted characteristics and guarantee can be derived from this data. Product properties may be influenced and changed by a wide range of factors (e.g. tool design, processing conditions ...). We exclude any liability for improper use of the product described in this data sheet. The processor shall conduct comprehensive internal tests regarding the suitability of the product for the intended application.

Aurora Kunststoffstoffe GmbH, Max-Eyth-Str. 14 - 16, 74632 Neuenstein

Phone: +49 (0) 7942/9142-0, Fax: +49 (0) 7942 / 9142-22, E-Mail: info@aurora-kunststoffe.de