

## Datasheet of ABS

Medium impact standard ABS grade with antistatic behaviour

Properties	Standard	Parameter	Value	Unit
<b>GENERAL</b>				
Density	ISO 1183-1		1,05	g/cm <sup>3</sup>
Melt volume-flow rate	ISO 1133	220°C / 10 kg	23	cm <sup>3</sup> /10min
<b>MECHANICAL</b>				
Yield stress	ISO 527	50 mm/min	50	MPa
Yield strain	ISO 527	50 mm/min	2,3	%
Tensile modulus	ISO 527	1 mm/min	2300	MPa
Charpy - impact strength	ISO 179/1eU	23°C	NB	kJ/m <sup>2</sup>
		-30°C	75	kJ/m <sup>2</sup>
Charpy - notched impact strength	ISO 179/1eA	23°C	18	kJ/m <sup>2</sup>
		-30°C	8	kJ/m <sup>2</sup>
Izod - notched impact strength	ISO 180/4A	23°C	16	kJ/m <sup>2</sup>
Ball indentation hardness	ISO 2039-1	358/30s	108	MPa
Hardness SHORE A / D				
<b>THERMAL</b>				
VICAT softening temperature	ISO 306	A50 (10N)		°C
		B50 (50N)	97	°C
Temp. of deflection under load (HDT)	ISO 75	Af (1,80MPa)	92	°C
		Bf (0,45MPa)	96	°C
<b>BURNING BEHAVIOUR</b>				
Burning rate	FMVSS 302 / ISO 3795		< 100 mm/min	
Burning behaviour (UL)	E86615	UL 94 / ISO 1210	1,5 mm	HB
<b>PROCESSING</b>				
Predrying		3-4h / 80°C		
Melt temperature		220 - 260°C		
Mould temperature		40 - 80°C		