

## Data Sheet ASA+PC UL94 V0

Easy flowing injection moulding grade containing bromine-, chlorine- and antimony-free flame retardant.

Properties	Standard	Condition	Unit	Value
<b>GENERAL</b>				
Density	ISO 1183	-	g/cm <sup>3</sup>	1.18
Moulding shrinkage	-	-	%	0.4 - 0.7
<b>MECHANICAL</b>				
Tensile modulus	ISO 527	1 mm/min	MPa	2.600
Tensile Strength; Yield stress	ISO 527	50 mm/min	MPa	61
Elongation at Break	ISO 527	50 mm/min	%	30
Flexural Strength	ISO 178	-	MPa	90
Charpy notched Impact Strength	ISO 179/1eA	23°C	kJ/m <sup>2</sup>	16
Charpy Impact Strength	ISO 179/1eU	23°C	kJm <sup>2</sup>	n.b.
<b>THERMAL</b>				
Vicat softening temperature	ISO 306	B 50	°C	102
Temp. of deflection under load	ISO 75	HDT A 1.80 Mpa	°C	76
Burning behavior	UL 94	1.5 mm	Class	V0
Glow wire test (GWFI)	IEC 60695	-	°C	850
<b>ELECTRICAL</b>				
Surface resistivity	IEC 60093	-	Ohm	10 <sup>14</sup>

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Disclaimer: The figures in this datasheet are guide values. The values are effected by processing conditions, modifications, additives and environmental conditions and they do not release you from the obligation to check the validity and to undertake tests on your own. This information is based on our present knowledge and experience. The material data is not to be construed as guaranteeing specific properties and the data cannot be used to deduce the suitability for a particular application.