

ROMIRA GmbH
ROTEC® ABS 1001 FR V0/4
Flame retardant, UL 94 V-0

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	Test method	Unit	Values
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1. Physical properties

Density (23°C, 50% RH)	ISO 1183	g/cm ³	1.20
Water Absorption (23°C / 24 hrs.)	ISO 62	%	0.3

2. Mechanical properties (at 23 °C)

Tensile Modulus (1mm/min)	ISO 527	MPa	2.800
Tensile Strength (50mm/min)	ISO 527	MPa	42
Elongation at Break (50mm/min)	ISO 527	%	10
Flexural Modulus (2mm/min)	ISO 178	MPa	2.600
Flexural Strength (2mm/min)	ISO 178	MPa	65
Notched Impact Strength (Charpy)	ISO 179/1eA	kJ/m ²	12
Impact Strength (Charpy)	ISO 179/1eU	kJ/m ²	70 - n.b.

3. Thermal properties

Heat distortion temperature (HDT A)	ISO 75	°C	75
Vicat softening temperature B 50	ISO 306	°C	86
Melt Flow Rate MFR (220 °C / 10 kg)	ISO 1133	g/10 min.	64
Flammability (1,5mm) (E148878)	UL 94	class	V-0
Moulding shrinkage	ISO 294-4	%	0,3 – 0,6

The information submitted is based on our current knowledge and experience. In view of the many factors that may affect processing and application, these data do not relieve processors from the responsibility of carrying out their own tests and experiments; neither do they imply any legally binding assurance of certain properties or of suitability for a specific purpose. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.