

# TECHNICAL DATA SHEET

## ROTEC<sup>®</sup> ABS 1001 FR V0/5

# ROMIRA

ABS, injection moulding grade, easy-flowing, good UV resistance, flame retardant

PROPERTY	Test Method	Condition	Unit	Value*
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### MECHANICAL.....

Tensile Modulus	DIN EN ISO 527	1 mm/min 23 °C	MPa	2,200
Tensile Strength	DIN EN ISO 527	50 mm/min 23 °C	MPa	40
Elongation at Break	DIN EN ISO 527	50 mm/min 23 °C	%	15
Flexural Modulus	DIN EN ISO 178	2 mm/min 23 °C	MPa	2,300
Flexural Strength	DIN EN ISO 178	2 mm/min 23 °C	MPa	55
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23 °C	kJ/m <sup>2</sup>	11
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23 °C	kJ/m <sup>2</sup>	n.b.

### PHYSICAL.....

Density	DIN EN ISO 1183	23 °C, 50 % RH	g/cm <sup>3</sup>	1.20
Water Absorption	DIN EN ISO 62	23 °C, 50 % RH, 24 h	%	0.3

### THERMAL.....

Heat deflection temperature (HDT/A)	DIN EN ISO 75-1	1,8 MPa	°C	81
Vicat Softening Temperature (B 50)	DIN EN ISO 306	50 N, 50 °C/h	°C	91
Melt Mass-Flow Rate (MFR)	DIN EN ISO 1133	220 °C, 10 kg	g/10 min	47
Processing Shrinkage	DIN EN ISO 294-4	23 °C	%	0.3 - 0.6
Flammability (File No.: 148878 → UL listed)	UL94	1.5 mm	--	V-0