

TECHNICAL DATA SHEET

ROMILOY[®] 1055 F PG

ROMIRA

PC/ABS, injection moulding grade, easy-flowing, plating grade

PROPERTY	Test Method	Condition	Unit	Value*
----------	-------------	-----------	------	--------

MECHANICAL.....

Tensile Modulus	DIN EN ISO 527	1 mm/min 23 °C	MPa	2,400
Tensile Strength	DIN EN ISO 527	50 mm/min 23 °C	MPa	46
Elongation at Break	DIN EN ISO 527	50 mm/min 23 °C	%	33
Flexural Modulus	DIN EN ISO 178	2 mm/min 23 °C	MPa	2,200
Flexural Strength	DIN EN ISO 178	2 mm/min 23 °C	MPa	81
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23 °C	kJ/m ²	30
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23 °C	kJ/m ²	n.b.

PHYSICAL.....

Density	DIN EN ISO 1183	23 °C, 50 % RH	g/cm ³	1.10
Water Absorption	DIN EN ISO 62	23 °C, 50 % RH, 24 h	%	0.2

THERMAL.....

Heat deflection temperature (HDT/A)	DIN EN ISO 75-1	1,8 MPa	°C	95
Vicat Softening Temperature (B 50)	DIN EN ISO 306	50 N, 50 °C/h	°C	110
Melt Mass-Flow Rate (MFR)	DIN EN ISO 1133	260 °C, 5 kg	g/10 min	20
Thermal Coefficient of Linear Expansion	ISO 11359-2	23 °C - 55 °C	10 ⁻⁴ · K ⁻¹	0.9
Processing Shrinkage	DIN EN ISO 294-4	23 °C	%	0.4 - 0.7
Flammability (own test)	UL94	1.5 mm	--	HB