

# Technical Data Sheet



## ROMILOY® 4010/07-1 UV

*PA/ABS-Blend, injection moulding grade, high-impact, UV stabilized, low-warpage*

<i>Properties</i>	<i>Unit</i>	<i>Test Method</i>	<i>Test Condition</i>	<i>Value*</i>
<i>Mechanical .....</i>				dry as moulded
Tensile Modulus	MPa	DIN EN ISO 527	23°C 1 mm/min	2,000
Tensile Strength	MPa	DIN EN ISO 527	23°C 50 mm/min	43
Elongation at Break	%	DIN EN ISO 527	23°C 50 mm/min	> 100
Flexural Modulus	MPa	DIN EN ISO 178	23°C 2 mm/min	1,700
Flexural Strength	MPa	DIN EN ISO 178	23°C 2 mm/min	66
Notched Impact Strength (Charpy)	kJ/m <sup>2</sup>	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23°C / -30°C	72 / 19
Impact Strength (Charpy)	kJ/m <sup>2</sup>	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23°C / -30°C	n.b. / n.b.
<i>Physical .....</i>				
Density	g/cm <sup>3</sup>	DIN EN ISO 1183	23°C, 50% RH	1.06
Water Absorption	%	DIN EN ISO 62	23°C, 24 h	-
<i>Thermal .....</i>				
Heat Distortion Temperature B	°C	DIN EN ISO 75/1	0.45 MPa	96
Vicat Softening Temperature B 50	°C	DIN EN ISO 306	50 N 50°C/h	120
Melt Mass Flow Rate (MFR)	g/10 min	DIN EN ISO 1133	260°C, 5 kg	32
Thermal Conductivity	W/(K·m)	DIN 52612	--	-
Thermal Coefficient of Linear Expansion	10 <sup>-4</sup> · K <sup>-1</sup>	ISO 11359-2	20°C - 80°C	1.4
Processing Shrinkage	%	DIN EN ISO 294-4	23°C	0.6 - 0.9
Flammability (own testing)	--	UL94	1.6 mm	HB

\* = These are average figures, which could vary in each production batch due to addition of pigments, antistatica, slip, uv stabilizer or other.

**ROMIRA GMBH**