

# Technical Data Sheet

## ROMILOY® 3020/01 M10



ASA / PA-Blend, high impact, mineral filler, very good scratch resistance, UV stabilized

Properties	Unit	Test Method	Test Condition	Value*	Remarks
<b>Mechanical.....</b>					
Tensile Modulus	MPa	ISO 527	23°C 1 mm/min dry / conditioned	2,800 / 1,700	
Tensile Strength	MPa	ISO 527	23°C 50 mm/min dry / conditioned	52 / 37	
Elongation at Break	%	ISO 527	23°C 50 mm/min	> 30	
Flexural Modulus	MPa	ISO 178	23°C 2 mm/min dry / conditioned	2,400 / 1,200	
Flexural Strength	MPa	ISO 178	23°C 2 mm/min dry / conditioned	76 / 42	
Impact Strength Notched (Charpy)	kJ/m²	ISO 179 1eA	80 x 10 x 4 mm 23°C / -30°C	7.5 / 7.5	
Impact Strength (Charpy)	kJ/m²	ISO 179 1eU	80 x 10 x 4 mm 23°C / -30°C	n.b. / n.b.	
<b>Physical.....</b>					
Density	g/cm³	ISO 1183	23°C, 50% RH	1.14	
Water Absorption	%	ISO 62	23°C, 24 h	1.0	
<b>Thermal.....</b>					
Heat Distortion Temperature (HDT B)	°C	ISO 75	0.45 MPa	90	
Heat Distortion Temperature (HDT A)	°C	ISO 75	1.8 MPa	60	
Vicat Softening Temperature (B 50)	°C	ISO 306	50°C/h 50 N	120	
Melt Flow Rate MFR	g/10 min	ISO 1133	260°C 5 kg	22	
Linear Thermal Expansion	10 <sup>-4</sup> · K <sup>-1</sup>	ISO 11359-2	23°C - 55°C	1.1	
Moulding Shrinkage	%	ISO 294-4	23°C	0.5 - 0.9	
Flammability (own test)	Class	UL 94		HB	

\* = Average figures which could vary with each production batch due to addition of pigments, antistatic agents, slip agents, light stabilizers or other additives.

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