

TECHNICAL DATA SHEET

ROMILOY[®] 3020/01-4 M10

ROMIRA

ASA/PA, injection moulding grade, 10% mineral filled, impact-resistant, scratch-resistant, UV stabilized

PROPERTY	Test Method	Condition	Unit	Value*	
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MECHANICAL.....				Dry as molded	conditioned
Tensile Modulus	DIN EN ISO 527	1 mm/min 23 °C	MPa	2,950	1,700
Tensile Strength	DIN EN ISO 527	50 mm/min 23 °C	MPa	52	37
Elongation at Break	DIN EN ISO 527	50 mm/min 23 °C	%	>30	-
Flexural Modulus	DIN EN ISO 178	2 mm/min 23 °C	MPa	2,400	1,500
Flexural Strength	DIN EN ISO 178	2 mm/min 23 °C	MPa	76	57
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23 °C	kJ/m ²	7.5	8.5
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm -30 °C	kJ/m ²	5.0	-
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23 °C	kJ/m ²	n.b.	n.b.
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm -30 °C	kJ/m ²	n.b.	-

PHYSICAL.....					
Density	DIN EN ISO 1183	23 °C, 50 % r.h.	g/cm ³	1.16	-
Moisture Absorption (equilibrium)	DIN EN ISO 62	23 °C, 50 % r.h.	%	1.0	-

THERMAL.....					
Heat deflection temperature (HDT/B)	DIN EN ISO 75-1	0,45 MPa	°C	105	-
Vicat Softening Temperature (B 50)	DIN EN ISO 306	50 N, 50 °C/h	°C	123	-
Melt Mass-Flow Rate (MFR)	DIN EN ISO 1133	260 °C, 5 kg	g/10 min	32	-
Thermal Coefficient of Linear Expansion	ISO 11359-2	23 °C - 55 °C	10 ⁻⁴ · K ⁻¹	1.1	-
Processing Shrinkage	DIN EN ISO 294-4	23 °C	%	0.5 - 0.8	-
Flammability (own test)	UL94	1.5 mm	--	HB	-