

TECHNICAL DATA SHEET

ROMILOY[®] 4010

ROMIRA

PA/ABS, injection moulding grade, high-impact

PROPERTY	Test Method	Condition	Unit	Value*	
MECHANICAL.....				Dry as molded	conditioned
Tensile Modulus	DIN EN ISO 527	1 mm/min 23 °C	MPa	1,750	-
Tensile Strength	DIN EN ISO 527	50 mm/min 23 °C	MPa	42	-
Elongation at Break	DIN EN ISO 527	50 mm/min 23 °C	%	> 100	-
Flexural Modulus	DIN EN ISO 178	2 mm/min 23 °C	MPa	1,500	-
Flexural Strength	DIN EN ISO 178	2 mm/min 23 °C	MPa	58	-
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23 °C	kJ/m ²	85	-
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm -30 °C	kJ/m ²	25	-
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23 °C	kJ/m ²	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	1.07	-
Moisture Absorption (equilibrium)	DIN EN ISO 62	23 °C, 50 % r.h.	%	-	-
THERMAL.....					
Heat deflection temperature (HDT/A)	DIN EN ISO 75-1	1,8 MPa	°C	-	-
Vicat Softening Temperature (B 50)	DIN EN ISO 306	50 N, 50 °C/h	°C	135	-
Melt Mass-Flow Rate (MFR)	DIN EN ISO 1133	260 °C, 5 kg	g/10 min	26	-
Processing Shrinkage	DIN EN ISO 294-4	23 °C	%	1.0 - 1.4	-
Flammability (own test)	UL94	1.5 mm	--	HB	-

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