

TECHNICAL DATA SHEET

ROMILOY[®] 4010 GF30

ROMIRA

PA/ABS, injection moulding grade, 30% glass fibre reinforced

PROPERTY	Test Method	Condition	Unit	Value*	
MECHANICAL.....				Dry as molded	conditioned
Tensile Modulus	DIN EN ISO 527	1 mm/min 23 °C	MPa	8,100	-
Tensile Strength	DIN EN ISO 527	5 mm/min 23 °C	MPa	130	-
Elongation at Break	DIN EN ISO 527	5 mm/min 23 °C	%	9	-
Flexural Modulus	DIN EN ISO 178	2 mm/min 23 °C	MPa	6,600	-
Flexural Strength	DIN EN ISO 178	2 mm/min 23 °C	MPa	180	-
Notched Impact Strength (Charpy)	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23 °C	kJ/m ²	-	-
Impact Strength (Charpy)	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23 °C	kJ/m ²	55	-

PHYSICAL.....					
Density	DIN EN ISO 1183	23 °C, 50 % r.h.	g/cm ³	1.29	-
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	185	-
Vicat Softening Temperature (B 50)	DIN EN ISO 306	50 N, 50 °C/h	°C	-	-
Melt Mass-Flow Rate (MFR)	DIN EN ISO 1133	260 °C, 5 kg	g/10 min	30	-
Processing Shrinkage	DIN EN ISO 294-4	23 °C	%	0.2 - 0.4	-
Flammability (own test)	UL94	1.5 mm	--	HB	-