

Technical Data Sheet



ROMILOY® 9170 E

PC/ABS-Blend, chlorine-, bromine- and antimony-free flame retardant

<i>Properties</i>	<i>Unit</i>	<i>Test Method</i>	<i>Test Condition</i>	<i>Value*</i>
Mechanical				
Tensile Modulus	MPa	DIN EN ISO 527	23°C 1 mm/min	2,570
Tensile Strength	MPa	DIN EN ISO 527	23°C 50 mm/min	58
Elongation at Break	%	DIN EN ISO 527	23°C 50 mm/min	30
Flexural Modulus	MPa	DIN EN ISO 178	23°C 2 mm/min	2,550
Flexural Strength	MPa	DIN EN ISO 178	23°C 2 mm/min	92
Notched Impact Strength (Charpy)	kJ/m ²	DIN EN ISO 179/1eA	80 x 10 x 4 mm 23°C	29
Impact Strength (Charpy)	kJ/m ²	DIN EN ISO 179/1eU	80 x 10 x 4 mm 23°C	n.b.
Physical				
Density	g/cm ³	DIN EN ISO 1183	23°C, 50% RH	1.18
Water Absorption	%	DIN EN ISO 62	23°C, 24 h	0.3
Thermal				
Heat Distortion Temperature A	°C	DIN EN ISO 75/1	1.8 MPa	85
Vicat Softening Temperature B 50	°C	DIN EN ISO 306	50 N 50°C/h	104
Melt Mass Flow Rate (MFR)	g/10 min	DIN EN ISO 1133	240°C, 5 kg	12
Processing Shrinkage	%	DIN EN ISO 294-4	23°C	0.4 - 0.7
Glow Wire Flammability Index (GWFI)	°C	DIN EN 60695-2-12	3.0 mm	960
Glow Wire Ignition Temperature (GWIT)	°C	DIN EN 60695-2-13	2.0 mm	700
Flammability (File No.: 148878 → UL listed)	--	UL94	1.5 mm	V-0, 5VB

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

ROMIRA GMBH