

MedEco Perform ICH

Technical Data Sheet

Material properties

All values given are indicative. The data was measured on test objects and may vary due to product-specific geometry and process characteristics.

Property	Method	Condition	Value	Unit
Density	ISO 1183		1,36	g/cm ³
Water Absorption	MCC Method	23°C, 24h	0,3	wt%
MFI	ISO 1133	230°C, 2,16 kg	10	g/10min
Tensile Modulus	ISO 527	1 mm/min	2.700	N/mm ²
Tensile Strength	ISO 527	50 mm/min	79	N/mm ²
Elongation at Break	ISO 527	50 mm/min	72	%
Flexural Modulus	ISO 178	2 mm/min	2.700	N/mm ²
Flexural Yield Strength	ISO 178	2 mm/min	116	N/mm ²
Charpy-Impact Strength	ISO 179-1/1eU	23°C	N	kJ/m ²
Charpy N. Impact Strength	ISO 179-1/1eA	23°C	7	kJ/m ²
Total Transmittance	ISO 13468	3mmt	92	%
HDT-B	ISO 75-1/-2	0,45 N/mm ²	114	°C
Lin. Coeff. of Expansion	ISO 11359-2		6,9E-05	1/°C

Processing instructions

Pre-drying: min. 5-7h at 80°C

Parameter	Value	Unit
Processing Melt Temperature	230 – 250	°C
Mold Temperature	60 – 80	°C
Feed Zone Temperature	220 – 260	°C
Metering Zone Temperature	220 – 260	°C
Nozzle Temperature	220 – 260	°C
Screw speed	50	U/min
Injection Pressure	50 – 95	N/mm ²
Holding Pressure	10	N/mm ²