

Technical Data Sheet

ROMILOY® 5720



PC / PBT-Blend, high flow, high impact, high temperature resistance, UV stabilized

<i>Properties</i>	<i>Unit</i>	<i>Test Method</i>	<i>Test Condition</i>	<i>Value*</i>	<i>Remarks</i>
<i>Mechanical.....</i>					
Tensile Modulus	MPa	ISO 527	23°C 1 mm/min	2,380	
Tensile Strength	MPa	ISO 527	23°C 50 mm/min	60	
Elongation at Break	%	ISO 527	23°C 50 mm/min	> 50	
Flexural Modulus	MPa	ISO 178	23°C 2 mm/min	2,350	
Flexural Strength	MPa	ISO 178	23°C 2 mm/min	92	
Impact Strength Notched (Charpy)	kJ/m²	ISO 179 1eA	80 x 10 x 4 mm 23°C / -30°C	40 / 10	
Impact Strength (Charpy)	kJ/m²	ISO 179 1eU	80 x 10 x 4 mm 23°C / -30°C	n.b. / n.b.	
<i>Physical.....</i>					
Density	g/cm³	ISO 1183	23°C, 50% RH	1.2	
<i>Thermal.....</i>					
Heat Distortion Temperature (HDT A)	°C	ISO 75	1.8 MPa	89	
Vicat Softening Temperature (B 50)	°C	ISO 306	50°C/h 50 N	117	
Melt Flow Rate MFR	g/10 min	ISO 1133	260°C 5 kg	38	
Linear Thermal Expansion	10 ⁻⁴ · K ⁻¹	ISO 11359-2	23°C - 55°C	0.9	
Moulding Shrinkage	%	ISO 294-4	23°C	0.4 - 0.6	
Flammability (own test)	Class	UL 94	1.6 mm	HB	

* = Average figures which could vary with each production batch due to addition of pigments, antistatic agents, slip agents, light stabilizers or other additives.

ROMIRA GMBH