

ROMILOY® 5820 UV

(PC+PBT)

Romira GmbH

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	15	g/10min	ISO 1133
Temperature	240	°C	-
Load	5	kg	-
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	3000	MPa	ISO 527
Tensile Strength	50	MPa	ISO 527
Stress at break	25	MPa	ISO 527
Flexural modulus, 23°C	3000	MPa	ISO 178
Flexural strength	84	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	7	kJ/m ²	ISO 179/1eA

Thermal properties	Value	Unit	Test Standard
ISO Data			
Temp. of deflection under load, 1.80 MPa	87	°C	ISO 75-1/-2
Vicat softening temperature, B	119	°C	ISO 306
Burning behav. at 1.5 mm nom. thicken.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Yellow Card available	yes	-	-
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-
Burning behav. 5V at thickness h	5VB	class	IEC 60695-11-20
Thickness tested	3.0	mm	-
Yellow Card available	yes	-	-

Other properties	Value	Unit	Test Standard
Humidity absorption	0.3	%	Sim. to ISO 62
Density	1300	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding, Other Extrusion

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant, Halogen-free, U.V. stabilized or stable to weather