

Romiloy® 5730/01

Polycarbonate + PBT

ROMIRA GmbH

Message:

Romiloy® 5730/01 is a polycarbonate polybutene terephthalate (PC PBT) material. This product is available in Europe, and the processing method is injection molding.

Romiloy® The main features of 5730/01 are:

flame retardant/rated flame

Impact resistance

General Information			
Features	Impact resistance, high		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.20	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	23	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.50 - 0.70	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2100	MPa	ISO 527-2/1
Tensile Stress (23°C)	49.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 50	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	1950	MPa	ISO 178
Flexural Stress ² (23°C)	75.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	40	kJ/m²	ISO 179/1eA
23°C	50	kJ/m²	ISO 179/1eA
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	No Break		ISO 179/1eU
23°C	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	114	°C	ISO 306/B50
Flammability	Nominal Value		Test Method
Flame Rating (1.6 mm)	HB		UL 94
NOTE			
1.	2.0 mm/min		
2.	2.0 mm/min		

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Recommended distributors for this material

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