

Romiloy® 1045 F PG

Polycarbonate + ABS

ROMIRA GmbH

Message:

Romiloy® 1045 F PG is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in Europe, and the processing method is injection molding.

Romiloy® The main features of 1045 F PG are:

flame retardant/rated flame

Impact resistance

General Information			
Features	Impact resistance, good		
	Electroplateable		
	Good liquidity		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.09	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	20	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.40 - 0.70	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.20	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	1850	MPa	ISO 527-2/1
Tensile Stress (23°C)	42.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	50	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	1800	MPa	ISO 178
Flexural Stress ² (23°C)	60.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	115	°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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