

Romiloy® 9170

Polycarbonate + ABS

ROMIRA GmbH

Message:

Romiloy®9170 is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in Europe.

Romiloy®The main features of the 9170 are:

flame retardant/rated flame

Flame Retardant

Halogen-free

General Information			
UL YellowCard	E148878-537123		
Additive	Flame retardancy		
Features	Chlorine Free		
	No antimony		
	Bromine-free		
	Flame retardancy		
Physical	Nominal Value	Unit	Test Method
Density (23°C)	1.18	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
240°C/5.0 kg	25	g/10 min	ISO 1133
260°C/5.0 kg	40	g/10 min	ISO 1133
Molding Shrinkage (23°C)	0.30 - 0.60	%	ISO 294-4
Water Absorption (23°C, 24 hr)	0.30	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2600	MPa	ISO 527-2/1
Tensile Stress (23°C)	58.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	> 15	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2550	MPa	ISO 178
Flexural Stress ² (23°C)	92.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	24	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	75.0	°C	ISO 75-2/A
Vicat Softening Temperature	101	°C	ISO 306/B50
Flammability	Nominal Value	Unit	Test Method

Flame Rating (1.5 mm)	5VB		UL 94
Glow Wire Flammability Index (3.0 mm)	960	°C	IEC 60695-2-12
Glow Wire Ignition Temperature (2.0 mm)	700	°C	IEC 60695-2-13

NOTE

- | | |
|----|------------|
| 1. | 2.0 mm/min |
| 2. | 2.0 mm/min |

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