

Romiloy® 8170

Acrylonitrile Styrene Acrylate + PC

ROMIRA GmbH

Message:

Romiloy®8170 is an acrylonitrile-styrene-acrylate PC (ASA PC) material. This product is available in Europe.

Romiloy®The main features of the 8170 are:

flame retardant/rated flame

Flame Retardant

Halogen-free

General Information	
UL YellowCard	E148878-537125
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)	0.40 - 0.70	%	ISO 294-4

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2400	MPa	ISO 527-2/1
Tensile Stress (23°C)	65.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	30	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2600	MPa	ISO 178
Flexural Stress ² (23°C)	98.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	21	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)	76.0	°C	ISO 75-2/A
Vicat Softening Temperature	102	°C	ISO 306/B50

Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.5 mm)	V-0		UL 94
Glow Wire Flammability Index (3.0 mm)	850	°C	IEC 60695-2-12

NOTE	
1.	2.0 mm/min

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Recommended distributors for this material

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