

Romiloy® 9150

Polycarbonate + ABS

ROMIRA GmbH

Message:

Romiloy®9150 is a polycarbonate acrylonitrile butadiene styrene (PC ABS) material. This product is available in Europe and is processed by extrusion or injection molding.

Romiloy®The main features of the 9150 are:

flame retardant/rated flame

Halogen-free

Flame Retardant

General Information			
UL YellowCard	E148878-461141		
Features	Chlorine Free		
	No antimony		
	Bromine-free		
	Flame retardancy		
UL File Number	E148878		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	1.17	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)			ISO 1133
240°C/5.0 kg	22	g/10 min	ISO 1133
260°C/5.0 kg	37	g/10 min	ISO 1133

Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	2500	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	58.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	30	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	2500	MPa	ISO 178
Flexural Stress ² (23°C)	94.0	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	40	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)	80.0	°C	ISO 75-2/A
Vicat Softening Temperature	106	°C	ISO 306/B50

Flammability	Nominal Value	Unit	Test Method
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Flame Rating (1.60 mm)	V-0	UL 94
Glow Wire Flammability Index (2.00 mm)	960	°C IEC 60695-2-12
Glow Wire Ignition Temperature (2.00 mm)	750	°C IEC 60695-2-13
Injection	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.050	%
Suggested Max Regrind	5	%
Processing (Melt) Temp	220 - 260	°C
Mold Temperature	50.0 - 80.0	°C
Injection Rate	Slow	
Injection instructions		
Back Pressure: <10% Holding Pressure: low		
Extrusion	Nominal Value	Unit
Drying Temperature	< 80.0	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	< 0.050	%
Cylinder Zone 1 Temp.	200 - 240	°C
Cylinder Zone 2 Temp.	200 - 240	°C
Cylinder Zone 3 Temp.	200 - 240	°C
Cylinder Zone 4 Temp.	200 - 240	°C
Cylinder Zone 5 Temp.	200 - 240	°C
Melt Temperature	< 250	°C
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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