

Romiloy® 1035/04 GF 10

Polycarbonate + ABS

ROMIRA GmbH

Message:

Romiloy® 1035/04 GF 10 is a polycarbonate + acrylonitrile butadiene styrene (PC + ABS) material, and the filler is 10% glass fiber reinforced material. This product is available in Europe and is processed by extrusion or injection molding. Romiloy® The main characteristics of 1035/04 GF 10 are: flame retardant/rated flame.

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 10% filler by weight		
Forms	Particle		
Processing Method	Extrusion		
	Injection molding		

Physical	Nominal Value	Unit	Test Method
Density	1.19	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (260°C/5.0 kg)	17	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)	4220	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	71.0	MPa	ISO 527-2/50
Tensile Strain (Break, 23°C)	5.0	%	ISO 527-2/50
Flexural Modulus ¹ (23°C)	4080	MPa	ISO 178
Flexural Stress ² (23°C)	100	MPa	ISO 178

Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179/1eA
Charpy Unnotched Impact Strength (23°C)	26	kJ/m ²	ISO 179/1eU

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	108	°C	ISO 75-2/A
Vicat Softening Temperature	125	°C	ISO 306/B50

Flammability	Nominal Value	Test Method
Flame Rating (1.60 mm)	HB	UL 94

Additional Information			
The value listed as Molding Shrinkage ISO 294-4, was tested in accordance with DIN 16901.			

Injection	Nominal Value	Unit
Drying Temperature	< 100	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	0.050	%
Suggested Max Regrind	5	%

Processing (Melt) Temp	240 - 270	°C
Mold Temperature	80.0	°C
Injection Rate	Moderate-Fast	
Extrusion	Nominal Value	Unit
Drying Temperature	80.0 - 100	°C
Drying Time	2.0 - 4.0	hr
Suggested Max Moisture	< 0.050	%
Cylinder Zone 1 Temp.	210 - 250	°C
Cylinder Zone 2 Temp.	210 - 250	°C
Cylinder Zone 3 Temp.	210 - 250	°C
Cylinder Zone 4 Temp.	210 - 250	°C
Cylinder Zone 5 Temp.	210 - 250	°C
Melt Temperature	< 260	°C
NOTE		
1.	2.0 mm/min	
2.	2.0 mm/min	

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