

Romiloy® 5240 GF 30

Polybutylene Terephthalate + ASA

ROMIRA GmbH

Message:

Romiloy® 5240 GF 30 is a polybutylene terephthalate + ASA (PBT + ASA) material, and the filler is 30% glass fiber reinforced material. This product is available in Europe, and the processing method is injection molding.

Romiloy® The main characteristics of 5240 GF 30 are:

flame retardant/rated flame

Good dimensional stability

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Good dimensional stability		
Forms	Particle		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.42	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)	0.30 - 0.60	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus (23°C)	7750	MPa	ISO 527-2/1
Tensile Stress (Yield, 23°C)	101	MPa	ISO 527-2/5
Tensile Strain (Break, 23°C)	5.9	%	ISO 527-2/5
Flexural Modulus ¹ (23°C)	7070	MPa	ISO 178
Flexural Stress ² (23°C)	141	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	50	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	166	°C	ISO 75-2/A
Vicat Softening Temperature	167	°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	90.0 - 100	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.040	%	
Suggested Max Regrind	5	%	
Rear Temperature	240 - 260	°C	
Middle Temperature	240 - 260	°C	

Front Temperature	240 - 260	°C
Processing (Melt) Temp	< 260	°C
Mold Temperature	75.0 - 100	°C
Injection Rate	Moderate	
Back Pressure	< 1.00	MPa
Screw Speed	12 - 18	rpm

Injection instructions

Holding Pressure: moderate to high

NOTE

1. 2.0 mm/min
2. 2.0 mm/min

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

