

Silamid® CV20

Polyamide 6

Roonamid a.s.

Message:

Polyamide 6, type reinforced with 20% carbon fibres, optimal flow properties. Suitable for injection mouldings with increased requirements to rigidity, strength, shape stability or electroinsulating properties.

General Information			
Filler / Reinforcement	Carbon Fiber,20% Filler by Weight		
Features	Electrically Insulating		
	Good Dimensional Stability		
	Good Strength		
	High Rigidity		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.21	g/cm ³	ISO 1183
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	16000	MPa	ISO 527-2
Tensile Stress (Break)	175	MPa	ISO 527-2
Flexural Modulus	10000	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength (23°C)	45	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	210	°C	ISO 75-2/B
1.8 MPa, Unannealed	200	°C	ISO 75-2/A
Electrical	Nominal Value	Unit	Test Method
Volume Resistivity	2.0E+4	ohms · cm	IEC 60093
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	< 80.0	°C	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	260 to 280	°C	
Mold Temperature	70.0 to 90.0	°C	

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.

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



WECHAT