

Diaterm® A27 GF20

Polyamide 6

DTR S.r.l. (Develop Thermoplastic Resins)

Message:

Diaterm® A27 GF20 is a polyamide 6 (nylon 6) material, which contains a 20% glass fiber reinforced material. This product is available in Europe.

Diaterm® The main features of A27 GF20 are:

flame retardant/rated flame

Medium viscosity

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 20% filler by weight		
Features	Medium viscosity		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.25	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	ASTM D638
Tensile Elongation (Break)	4.5	%	ASTM D638
Flexural Modulus	7000	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	80	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	210	°C	ASTM D648
1.8 MPa, not annealed	190	°C	ASTM D648
Vicat Softening Temperature	200	°C	ASTM D1525 ¹
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	ASTM D257
Volume Resistivity	1.0E+15	ohms·cm	ASTM D257
Flammability	Nominal Value	Unit	Test Method
Flame Rating	HB		UL 94
Glow Wire Ignition Temperature	650	°C	IEC 60695-2-13
Additional Information			
Water Absorption, DIN 53714, 23°C, 50% RH: 2.5%Burning Rate, DIN 75200: <100mm/min			
Injection	Nominal Value	Unit	
Drying Temperature	90.0	°C	
Drying Time	3.0	hr	
NOTE			

1. 标准 B (120°C/h), 载荷2 (50N)

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

