

# Diaterm® A27 GF30V0

Polyamide 6

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

## Message:

Diaterm® A27 GF30V0 is a polyamide 6 (nylon 6) material, which contains a 30% glass fiber reinforced material. This product is available in Europe.

Diaterm® The main features of A27 GF30V0 are:

flame retardant/rated flame

Flame Retardant

General Information			
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Features	Flame retardancy		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.48	g/cm <sup>3</sup>	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	140	MPa	ASTM D638
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	120	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	214	°C	ASTM D1525 <sup>1</sup>
Flammability	Nominal Value	Unit	Test Method
Flame Rating	V-0		UL 94
Glow Wire Ignition Temperature	960	°C	IEC 60695-2-13
Additional Information			
Water Absorption, DIN 53714, 23°C, 50% RH: 2.1%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)		

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