

Diaterm® A27 10

Polyamide 6
DTR S.r.l. (Develop Thermoplastic Resins)

Message:
Diaterm® A27 10 is a polyamide 6 (nylon 6) material. This product is available in Europe.
Diaterm® The main features of A27 10 are:
flame retardant/rated flame
Medium viscosity

General Information			
Features	Medium viscosity		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.13	g/cm ³	ASTM D792
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength	80.0	MPa	ASTM D638
Tensile Elongation (Break)	100	%	ASTM D638
Flexural Modulus	2900	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	60	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	180	°C	ASTM D648
1.8 MPa, not annealed	75.0	°C	ASTM D648
Vicat Softening Temperature	195	°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	750	°C	IEC 60695-2-13
Additional Information			
Water Absorption, DIN 53714, 23°C, 50% RH: 3%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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