

DOMAMID® 6AVUV

Polyamide 6

DOMO Engineering Plastics SPA

Message:

Polyamide 6, general purpose, UV stabilized, for injection moulding.

General Information			
Additive	UV Stabilizer		
Features	General Purpose		
	Good UV Resistance		
Uses	General Purpose		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	1.14	g/cm ³	ISO 1183
Molding Shrinkage - Flow ¹ (23°C, 72 hr)	1.1 to 1.6	%	ISO 2577
Water Absorption (Saturation, 23°C)	10	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3100	MPa	ISO 527-2/1
Tensile Stress (Yield)	85.0	MPa	ISO 527-2/50
Tensile Strain (Break)	60	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	5.0	kJ/m ²	ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	180	°C	ISO 75-2/B
1.8 MPa, Unannealed	70.0	°C	ISO 75-2/A
Vicat Softening Temperature	205	°C	ISO 306/B50
Melting Temperature	218 to 222	°C	ISO 11357-3
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+13	ohms	IEC 60093
Volume Resistivity	1.0E+15	ohms · cm	IEC 60093
Comparative Tracking Index (Solution A)	600	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Burning Rate	< 100	mm/min	FMVSS 302
Flame Rating (0.800 mm)	V-2		UL 94
Injection	Nominal Value	Unit	
Drying Temperature	75.0 to 85.0	°C	
Drying Time	4.0 to 6.0	hr	
Processing (Melt) Temp	230 to 260	°C	

Mold Temperature	60.0 to 100	°C
NOTE		
1.	50% RH	

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