

DOMAMID® A1-510-V30-I1-N

Polyamide 6

DOMO Engineering Plastics GmbH

Message:

Polyamide 6, 30% glass fiber reinforced, impact modified, natural

General Information			
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Additive	Impact Modifier		
Features	Impact Modified		
Appearance	Natural Color		
Physical	Nominal Value	Unit	Test Method
Density	1.34	g/cm ³	ISO 1183
Melt Volume-Flow Rate (MVR) (275°C/5.0 kg)	18.0	cm ³ /10min	ISO 1133
Molding Shrinkage ¹			ISO 294-4
Across Flow : 23°C, 72 hr	1.1	%	
Flow : 23°C, 72 hr	0.50	%	
Ash Content (650°C)	30	%	ISO 3451
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	8700	MPa	ISO 527-2/1A/1
Tensile Stress			ISO 527-2/1A/5
Yield	150	MPa	
Break	150	MPa	
Tensile Strain (Break)	4.0	%	ISO 527-2/1A/20
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-30°C	16	kJ/m ²	
23°C	26	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
-30°C	120	kJ/m ²	
23°C	110	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	222	°C	ISO 11357-3
NOTE			

1. 50%RH, between 16 to 72 hrs

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