

Grodamid PA6-L-211/311

PA6

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Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Melt flow index, MFI	48	g/10min	ISO 1133
Temperature	270	°C	-
Load	2.16	kg	-
Molding shrinkage, parallel	1.6	%	ISO 294-4, 2577
Mechanical properties			
Value	Unit	Test Standard	
ISO Data			
Tensile Modulus	2500	MPa	ISO 527
Tensile Strength	70	MPa	ISO 527
Strain at break	>50	%	ISO 527
Flexural modulus, 23°C	2300	MPa	ISO 178
Charpy impact strength, +23°C	N	kJ/m ²	ISO 179/1eU
Charpy impact strength, -30°C	75	kJ/m ²	ISO 179/1eU
Charpy notched impact strength, +23°C	8	kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30°C	5	kJ/m ²	ISO 179/1eA
Thermal properties			
Value	Unit	Test Standard	
ISO Data			
Melting temperature, 10°C/min	217	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.80 MPa	50	°C	ISO 75-1/-2
Temp. of deflection under load, 0.45 MPa	135	°C	ISO 75-1/-2
Electrical properties			
Value	Unit	Test Standard	
ISO Data			
Volume resistivity	1E13	Ohm*m	IEC 62631-3-1
Surface resistivity	1E13	Ohm	IEC 62631-3-2
Other properties			
Value	Unit	Test Standard	
Water absorption	2.2	%	Sim. to ISO 62
Humidity absorption	2.5	%	Sim. to ISO 62
Density	1130	kg/m ³	ISO 1183

Characteristics**Processing**

Injection Molding

Applications

Automotive, General Purpose

Delivery form

Granules

Regional Availability

North America, Europe, Asia Pacific, South and Central America, Near East/Africa