ARGUS
Additive Plastics GmbH

TECHNICAL DATASHEET

Argutec P 188 PA6 unverstärkt Natur

Properties	Unit	Test method	Test conditions	Value
Rheological Properties				
Melt Flow Rate	g/10 min	ISO 1133	220°C / 10min	9 - 16
Molding shrinkage	%	ISO 294-4	60×60×2 mm	0,9 - 1,3
Density	g/m^3	ISO 1183		1,13
Mechanical Properties				
Tensile strength	MPa	ISO 527	20 mm/min	75
Elongation at break	%	ISO 527	20 mm/min	45
Tensile modulus	MPa	ISO 527	1 mm/min	2700
Flexural stress	MPa	ISO 178	2 mm/min	85
Flexural modulus	MPa	ISO 178	2 mm/min	2600
Charpy impact strength	kJ/m^2	ISO 179/1eU	+23ºC	n.b.
Charpy impact strength	kJ/m^2	ISO 179/1eU	– 30 ºC	77
Charpy notched impact strength	kJ/m^2	ISO 179/1eA	+23ºC	6
Charpy notched impact strength	kJ/m^2	ISO 179/1eA	– 30 ºC	4,5
Izod unnotched impact strength	kJ/m^2	ISO 180/1U	+23ºC	n.b.
Izod notched impact strength	kJ/m^2	ISO 180/1A	+23ºC	5,5
Thermal Properties				
Melting point	°C	ISO 3146	10 ºC/ min	220
Temp. of deflection under load	°C	ISO 75-1	0.45 MPa	135
Temp. of deflection under load	°C	ISO 75-2	1.80 MPa	65
Vicat Softening Temperature VST/A/50	°C	ISO 306	50N, 50 °C/h	200

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