

TECACOMP® PA66 ID blue 4066

Polyamide 66
Ensinger GmbH

Message:
Main features
detectable via metal detector

General Information			
Features	Metal Detectable		
Appearance	Blue		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	
Apparent Density	0.72	g/cm ³	ISO 60
Melt Mass-Flow Rate (MFR) (280°C/2.16 kg)	32	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (280°C/2.16 kg)	30.0	cm ³ /10min	ISO 1133
Water Absorption (Equilibrium, 23°C, 50% RH)	2.3	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	3000	MPa	ISO 527-2
Tensile Stress	65.0	MPa	ISO 527-2
Tensile Strain (Break)	14	%	ISO 527-2
Flexural Modulus	2600	MPa	ISO 178
Flexural Stress	93.0	MPa	ISO 178
Flexural Strain	5.7	%	ISO 178
Service Temperature			
long term	110	°C	
short term	170	°C	
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	110	kJ/m ²	ISO 179/1eU
Thermal	Nominal Value	Unit	
Glass Transition Temperature			
-- 1	5.00	°C	
-- 2	72.0	°C	
Melting Temperature	260	°C	
Flammability	Nominal Value		Test Method
Flammability Classification	HB		IEC 60695-11-10, -20
Injection	Nominal Value	Unit	

Drying Temperature	80	°C
Drying Time	4.0 - 8.0	hr
Suggested Max Moisture	0.10	%
Processing (Melt) Temp	260 - 310	°C
Mold Temperature	90 - 150	°C

NOTE

1. Moist
2. Dry

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