

TECACOMP® PE ID blue 3943

Polyethylene
Ensinger GmbH

Message:
Main features
detectable via metal detector
x-ray detectable
FDA compliant

General Information			
Filler / Reinforcement	Mineral filler		
Features	Metal Detectable		
Agency Ratings	FDA not rated		
Appearance	Blue		
Forms	Particles		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.26	g/cm ³	
Melt Mass-Flow Rate (MFR) (230°C/5.0 kg)	19	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/5.0 kg)	18.0	cm ³ /10min	ISO 1133
Molding Shrinkage			ISO 294-4
Transverse flow	1.8	%	ISO 294-4
Flow	3.0	%	ISO 294-4
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	170	MPa	ISO 527-2/50
Tensile Stress	10.0	MPa	ISO 527-2/50
Tensile Strain (Break)	110	%	ISO 527-2/50
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength	No Break		ISO 179/1eU
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	130 - 145	°C	DIN 53765
Service Temperature			
long term	70	°C	
short term	100	°C	
Injection	Nominal Value	Unit	
Drying Temperature	80	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.10	%	
Processing (Melt) Temp	200 - 260	°C	
Mold Temperature	40	°C	

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Recommended distributors for this material

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