

Witcom PP 2012/353 Blue

Polypropylene

Witcom Engineering Plastics B.V.

Message:

Soft magnetic, metal and X-ray detectable, suitable for food contact applications

General Information			
Features	Metal Detectable		
	Compliance of Food Exposure		
Appearance	Blue		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Density	1.13	g/cm ³	ISO 1183
Molding Shrinkage - Flow (3.00 mm)	1.3 - 1.8	%	ISO 2577
Water Absorption			ISO 62
Saturated, 23°C	0.020	%	ISO 62
Equilibrium, 23°C, 50% RH	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	< 28.0	MPa	ISO 527-2
Tensile Strain (Break)	> 50	%	ISO 527-2
Flexural Modulus	2400	MPa	ISO 178
Flexural Stress	42.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact	6.5	kJ/m ²	ISO 180/1A
Unnotched Izod Impact Strength	55	kJ/m ²	ISO 180/1U
Flammability	Nominal Value		Test Method
Flame Rating (3.00 mm)	HB		ISO 1210
Injection	Nominal Value	Unit	
Drying Temperature	80.0	°C	
Drying Time	2.0 - 4.0	hr	
Suggested Max Moisture	0.050	%	
Processing (Melt) Temp	200 - 260	°C	
Mold Temperature	40.0 - 80.0	°C	
Injection Rate	Fast		
Back Pressure	0.00 - 1.00	MPa	
Injection instructions			

Screw speed: 0.1 - 0.25 m/sInjection pressure: Keep to a minimumHold pressure: Keep to a minimum

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Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

