

WINTEC™ WMG03

Polypropylene Random Copolymer

Japan Polychem Corporation

Message:

- Features:
- Extremely low levels of outgas
 - Minimum additive amount to pursue maximum cleanliness
 - Suitable for products that demand cleanliness
- Applications:
- Carrying case for semiconductors and media products
 - Food and medical packaging

General Information			
Features	Clean/High Purity		
	Low to No Outgassing		
Uses	Food Packaging		
	Medical Packaging		
	Packaging		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	30	g/10 min	ISO 1133
Spiral Flow	77.0	cm	Internal Method
Molding Shrinkage	1.0 to 1.4	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	100		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	> 400	%	ISO 527-2
Flexural Modulus	1250	MPa	ISO 178
Flexural Stress	38.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179
0°C	1.0	kJ/m ²	
23°C	2.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	90.0	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306
Optical	Nominal Value	Unit	Test Method

Gardner Gloss	90		ASTM D523
Haze (1000 μm)	50	%	ISO 14782

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