

WINTEC™ WMX03

Polypropylene Random Copolymer
Japan Polychem Corporation

Message:

- Features:
- Good flexibility
 - Lower extraction
 - Good hinge properties
 - Good impact strength at refrigerated storage
- Applications:
- Food package with hinges
 - Transparent containers at refrigerated storage

General Information			
Features	Good Flexibility		
	Good Impact Resistance		
	High Clarity		
	Low Extractables		
Uses	Containers		
	Food Containers		
	Living Hinges		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	25	g/10 min	ISO 1133
Spiral Flow	74.0	cm	Internal Method
Molding Shrinkage	1.0 to 1.4	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	70		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	750	MPa	ISO 527-2
Tensile Stress (Yield)	22.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	> 400	%	ISO 527-2
Flexural Modulus	750	MPa	ISO 178
Flexural Stress	25.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179
0°C	2.0	kJ/m ²	
23°C	8.0	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	70.0	°C	ISO 75-2/B
Vicat Softening Temperature	110	°C	ISO 306
Optical	Nominal Value	Unit	Test Method
Gardner Gloss	90		ASTM D523
Haze			ISO 14782
1000 μm	10	%	
2000 μm	25	%	

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