

WINTEC™ WFX4M

Polypropylene Random Copolymer

Japan Polychem Corporation

Message:

WINTEC™ WFX4M is a Polypropylene Random Copolymer (PP Random Copolymer) product. It can be processed by injection molding and is available in Asia Pacific. Typical application: Film.

General Information			
Uses	Film		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR)	7.0	g/10 min	ISO 1133
Spiral Flow	46.0	cm	Internal Method
Molding Shrinkage	1.0 to 1.4	%	Internal Method
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	75		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	800	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	15	%	
2000 μm	50	%	

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