

# WINTEC™ WFW5T

Polypropylene Random Copolymer

Japan Polychem Corporation

## Message:

WINTEC™ WFW5T is a Polypropylene Random Copolymer (PP Random Copolymer) product. It can be processed by blow molding or coextrusion and is available in Asia Pacific. Applications of WINTEC™ WFW5T include film and bags/liners.

Characteristics include:

- Clarity
- Copolymer
- Good Sealability
- Impact Resistant

General Information			
Features	Good Impact Resistance		
	High Clarity		
	Low Temperature Heat Sealability		
	Random Copolymer		
Uses	Bags		
	Cast Film		
	Film		
Processing Method	Blow Molding		
	Coextrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR)	3.5	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness	95		ISO 2039-2
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1350	MPa	ISO 527-2
Tensile Stress (Yield)	32.0	MPa	ISO 527-2
Nominal Tensile Strain at Break	> 400	%	ISO 527-2
Flexural Modulus	1350	MPa	ISO 178
Flexural Stress	40.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Unnotched Impact Strength			ISO 179
0°C	1.0	kJ/m <sup>2</sup>	
23°C	5.0	kJ/m <sup>2</sup>	
Thermal	Nominal Value	Unit	Test Method

Heat Deflection Temperature (0.45 MPa, Unannealed)	95.0	°C	ISO 75-2/B
Vicat Softening Temperature	130	°C	ISO 306
Peak Crystallization Temperature	144	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gardner Gloss	90		ASTM D523
Haze (1000 μm)	20	%	ISO 14782

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