

Eco-Solutions GP9001T

Biodegradable Polymers
MINIMA Technoloy Co. Ltd.

Message:

Eco-Solutions GP9001T is a Biodegradable Polymers (Biodeg Polymers) material. It is available in Asia Pacific, Europe, or North America for extrusion or foam processing.

Important attributes of Eco-Solutions GP9001T are:

Eco-Friendly/Green

High Strength

Typical applications include:

Fabrics/Fibers

Film

Foam

Plumbing/Piping/Potable Water

Sheet

General Information	
Features	Biodegradable
	Compostable
	Foamable
	High Tensile Strength
Uses	Film
	Foam
	Monofilaments
	Piping
	Sheet
Appearance	White
Processing Method	Extrusion
	Foam Processing

Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.26	g/cm ³	JIS K7210
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.5	g/10 min	JIS K7210
Films	Nominal Value	Unit	Test Method
Secant Modulus			JIS K7127
MD	420	MPa	
TD	620	MPa	
Tensile Strength			JIS K6781
MD : Yield	35.0	MPa	
TD : Yield	35.0	MPa	
MD : Break	70.0	MPa	

TD : Break	35.0	MPa	
Tensile Elongation			JIS K6781
MD : Break	550	%	
TD : Break	220	%	
Elmendorf Tear Strength			JIS K7128
MD	3.0	kN/m	
TD	5.0	kN/m	
Thermal	Nominal Value	Unit	Test Method
Melting Temperature	110	°C	JIS K7121

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