

Ecowill® FM-0625 S-500

Product Description	Key Features	Application
<ul style="list-style-type: none"> Ecowill® FM-0625 is a fully biodegradable material with high tensile. The main component is a fully biodegradable polymer Ecoworld blends with polylactic acid (PLA) and starch. The film products have excellent mechanical property. Ecowill® FM-0625 is mainly applicable to blow molding processing of film products, typical products include but not limited to supermarket shopping bags, courier bags, clothing bags, industrial package, etc. 	<ul style="list-style-type: none"> Biodegradable material High tensile Excellent mechanical property 	<ul style="list-style-type: none"> Film products Supermarket shopping bags Courier bags Clothing bags Industrial package

General			
Processing Method	• Blow molding		
Properties	Value	Units	Test Based On
Density	1.26 - 1.3	g/cm ³	ISO 1183
Hardness	50 - 60	D	ASTM-D2240
Melt Flow Rate (MFR) (190°C)	3 - 5	g/10 min	ISO 1133
Melting range	95 - 155	°C	ASTM-D3418
Unit mass melting heat	5 - 6	J/g	ASTM-D3417
Thermal decomposition temperature	260	°C	ASTM-D6370
Tensile Strength (Horizontal)	≥ 30	Map	ASTM-D882
Tensile Strength (Vertical)	≥ 30	Map	ASTM-D882
Elongation at Break (Horizontal)	≥ 500	%	ASTM-D882
Elongation at Break (Vertical)	≥ 150	%	ASTM-D882
Tearing strength (Horizontal)	≥ 150	N/mm	ASTM-D1004
Tearing strength (Vertical)	≥ 100	Nmm	ASTM-D1004

Notes

Typical properties: these are not to be construed as specifications.

For additional technical, sales and order assistance please contact our sales representative

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