



Envelope Window Film®

September 2011



EnviroSafe®

EWF® 22DG



Biodegradable Polystyrene SPEC SHEET

Eco-Efficient Options without Compromising Performance

ENVELOPE WINDOW FILM ENGINEERED USING A PROVEN TECHNOLOGY

to biodegrade when discarded into common disposal environments.

Advantages

- Waste Reduction through Biodegradation
- Recyclable – Compatible with existing Recycling Streams
- Contains 25% Post Industrial Recycled Content
- Economic Viability
- Same Low Dust / Low Scratch Proven Formula as EWF® 2009 LDLJ
- Excellent Processability using Current Windowing Adhesives
- Third Party Substantiation (ASTM D6954-04 which includes ASTM D5208-09 & ASTM D5338-11)

Important Features

- EWF® 22DG has a controlled lifespan of approximately 5 years
- Engineered biodegradation
- Low gloss formula for better optical character recognition
- Low dust for higher production rates
- Engineered orientation for optimal tear properties
- Specially formulated to reduce scratching
- Excellent stiffness for improved processability

Special Handling Instructions

- Envelope Manufacturers are encouraged to process EWF® 22DG within one year of purchase date
- Store away from heat and light

Gauge	Yield (sq. in./ lb)	Footage on 3" core	
		13" OD	18" OD
.00115	23,000	8,700	17,400

Additional gauges available. Contact your sales representative at 800-848-6982 for minimum requirements.

TYPICAL PROPERTIES OF EWF® 22DG
EnviroSafe®

TECHNICAL SPECIFICATIONS	UNITS	ASTM	TYPICAL VALUES
Specific Gravity	g/cc		1.05
Yield	in ² /lb./ 1 mil of thickness		26,360
Tensile Strength at Yield	psi	D638	8,000 to 12,000
Ultimate Elongation	%	D638	3 to 10
Tensile Modulus	psi	D790	400,000 to 450,000

CHEMICAL RESISTANCE	
Acid Resistance	Good to Excellent
Strong Oxidizers	Poor
Alkalies	Excellent
Hydrocarbon Solvents	Poor
Alcohols	Good to Excellent
Fat, Grease, and Oil	Good

The data herein represents typical values by the methods indicated and should be so considered. Processing variables are a major factor in product performance, this information should serve only as a guide. To the best of our knowledge the data is correct. No warranty is made or implied. The corporation assumes no obligation or liability for the use of the data presented.