



EnviroSafe[®]

LCF[®] 22DG



Biodegradable Polystyrene SPEC SHEET

Eco-Efficient Options without Compromising Performance

LABEL 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 up to 25% Post Industrial Recycled Content
- Economic Viability
- Excellent Processability using current inks and adhesives
- Third Party Substantiation (ASTM D6954-04 which includes ASTM D5208-09 & ASTM D5338-11)

Important Features

- LCF[®] 22DG has a controlled lifespan of approximately 5 years
- Engineered biodegradation
- Excellent stiffness for improved processability

Special Handling Instructions

- Label Manufacturers are encouraged to process LCF[®] 22DG within one year of purchase date
- Store away from heat and light

Gauges Available

- This product is available in the same gauges as our gloss (3500) or matte (3605) white polystyrene
- This is currently a non-stock item
- Special order only – Minimum order quantities apply
- Upcharge over our standard white polystyrenes

TYPICAL PROPERTIES OF LCF[®] 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
FDA Compliant			CFR 21 #177.1640

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.