



## TYPICAL PROPERTIES OF 22DG Polystyrene with Prodegradent Technology

*Eco-Efficient Options without Compromising Performance  
FILM ENGINEERED USING A PROVEN TECHNOLOGY*



### Advantages

- Waste Reduction by accelerated erosion of the film's physical properties
- 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

- 22DG has a controlled lifespan of approximately 5 years
- Excellent stiffness for improved processability

### Special Handling Instructions

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

| Properties          | Units                                     | Typical Values    | ASTM  |
|---------------------|---|-------------------|-------|
| Gauge               | ga<br>µm                                  | 115<br>29.21      | D6988 |
| Yield               | in <sup>2</sup> /lb<br>m <sup>2</sup> /kg | 26,360<br>37.43   | D4321 |
| Tensile Strength    | psi                                       | 8,000 – 12,000    | D638  |
| Ultimate Elongation | %   | 3 – 10            | D638  |
| Tensile Modulus     | psi                                       | 400,000 – 450,000 | D790  |
| 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              |

*Thickness & Yields may vary by +/- 10%*

*All data represents typical values by the methods indicated and should be considered so. The information herein, is to the best of our knowledge, true, and accurate. However, since conditions of use are beyond our control, all recommendations or suggestions are presented without guarantee or responsibility on our part. No warranty is made or implied.*