



## TYPICAL PROPERTIES OF 2010 LDLJ Polystyrene

GENERAL	ASTM TEST METHOD	VALUE
Thickness Range	----	0.00105" to 0.002"
Area Factor	----	26,300 sq. in. / lb. / mil
Density	D1505	1.05 g/cc
Light Transmission	D1003	90%
WVTR, g/100 in <sup>2</sup> 24 hrs. @ 100°F, 95% RH	----	6.0 / mil
F.D.A.	----	Yes
U.S.D.A.	----	Yes
MECHANICAL PROPERTIES	ASTM TEST METHOD	VALUE
Gloss (60° gloss units)	----	80 - 90
Tensile Strength	D882	8,000 - 12,000 PSI
Elongation	D882	3 - 40%
THERMAL PROPERTIES	ASTM TEST METHOD	VALUE
Continuous Heat Resistance	----	170°F
Heat Sealing Range	----	250° - 350°F
1% Shrink Point	----	180°F / 24 hr. exposure
CHEMICAL RESISTANCE	ASTM TEST METHOD	VALUE
Acids	D543	Excellent
Strong Acids	D543	Attacked by Oxidizing Acids
Weak Alkalies	D543	Excellent
Strong Alkalies	D543	Excellent
Organic Solvent	D543	Soluble in Aromatic or Chlorinated Hydrocarbons
Alcohols	D543	Good
Tar, Grease, & Oil	D543	Good
BARRIER PROPERTIES	VALUE	
Water Vapor	Fair to Good	
Gas	Fair to Good	

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