



ULTRA ETHYLUX[®] SD-A ANTISTATIC HIGH DENSITY POLYETHYLENE

Ultra Ethylux SD-A is made from a high density polyethylene polymer blend. The material is a non-carbon filled, offers good chemical resistance and mechanical properties and is permanently antistatic for applications where static charge control is important.

The following physical property information is based on typical values of the base high density polyethylene compound.

Advantages of Ultra Ethylux:

- Permanent antistatic surface resistivity (10^9 to 10^{11} ohm/sq)
- Good corrosion resistance
- High stress crack resistance
- Low moisture absorption
- Good impact/toughness
- FDA compliant

Manufacturing Capabilities:

- **Sheet** (compression molded):
1/4" to 2" thick

Colors/Grades:

- Gray

In addition to our standard capabilities, Westlake also has the ability to process custom resins in various sizes and colors with some exceptions.

Property	Units	Test Standard	Result
Mechanical			
Flexural Strength	psi	ASTM D790	5,500
Flexural Modulus	psi	ASTM D790	135,000
Tensile Strength @break	psi	ASTM D638	3,800
Izod Impact, Notched	ft-lb/in	ASTM D256	1.2
Izod Impact, Unnotched	ft-lb/in	ASTM D256	NB
Electrical			
Surface resistivity	ohm/sq	ASTM D257	10^9 - 10^{11}
Other			
Specific Gravity	—	ASTM D1505	0.95

Polymer components are compliant with FDA Title 21 CFR 177.1520 and 21 CFR 176.170 (c) Table 2