

## Product Selector

### Durastat® Static Dissipative Masterbatches

#### Durastat® Product Selector

Product	Mil Spec B-81705C	Non-Amine	Blown & Cast Film	Extrusion & Coextrusion	Injection Molding	High Thermal Stability	Antiblock	Flame Retardant
<b>POLYETHYLENE - STATIC DISSIPATIVE</b>								
LD-100	•	•	•	•	•	•		
LD-120	•	•	•	•		•	•	
LD-200	•	•	•	•	•	•		
<b>POLYETHYLENE - STATIC DISSIPATIVE / FLAME RETARDANT</b>								
AS-5903-3	•	•	•	•	•			•

PMC Group, Inc. and Polymer Products Company, Inc. do not warrant the applicability of these products in any end-use applications. Customers must determine the suitability of any product in their application.

#### Durastat® Typical Properties

Property	Units	Test Method	LD-100*	LD-120*	LD-200*	AS-5903-3**
Specific Gravity	g/cm <sup>3</sup>	ASTM-D-792	1.02	1.02	1.02	1.87
Electrostatic Decay	sec.	Mil-Spec B-81705C	0.6	0.6	0.5	0.74
Surface Resistivity	Ohms/sq	ASTM D-257	<10 <sup>12</sup>	<10 <sup>12</sup>	<10 <sup>12</sup>	<10 <sup>12</sup>
Typical Letdown for Mil Spec B-81705-C	%	PPC Method	4 - 6	2 - 5	5 - 10	10 - 28
Polycarbonate Stress Test			PASS	PASS	PASS	N/A
Flame Retardancy		NFPA-701	N/A	N/A	N/A	PASS
Surface Flammability		ASTM D-162	N/A	N/A	N/A	PASS
Flame Spread, Smoke Density		ASTM D-662	N/A	N/A	N/A	PASS

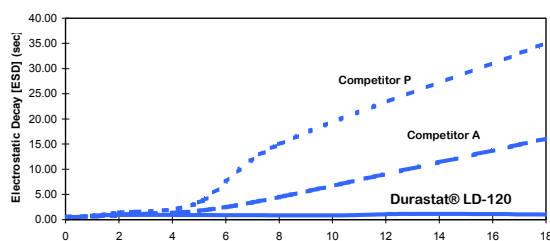
\*Values obtained after 48 hours at 12% relative humidity on 2 mil LDPE film with a 6% concentration of Durastat®.

\*\* Values obtained after 48 hours at 12% relative humidity with a 14% concentration of Durastat® AS-5903-3 in LDPE.

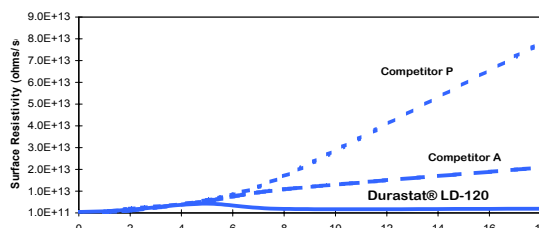
#### Durastat® Polycarbonate Stress Performance

Product	Units	Film Thickness	Loading	73 °F	120 °F	158 °F	185 °F
LD-100	psi	2 mil	0.03	>3400	>3400	1700	1700
LD-120	psi	2 mil	0.04	>3400	>3400	1700	1700
LD-200	psi	5 mil	0.06	>3400	>3400	1700	1700

Electrostatic Decay Time Study between Durastat® LD-120 and Competitive Products at 6% Letdown in Low Density Polyethylene Film



Surface Resistivity Time Study between Durastat® LD-120 and Competitive Products at 6% Letdown in Low Density Polyethylene Film



Important: The descriptions, designs, drawings and data herein are presented for your information only. Because there are many factors under your control which may affect processing or applications/use it is necessary for you to make appropriate tests to determine whether the product is suitable for your particular purpose prior to use. Further, you expressly understand and agree that the descriptions, designs, and data furnished by Polymer Products hereunder are given gratis and Polymer Products assumes no obligation or liability for same or results obtained from use thereof, all such being given to you and accepted by you at your risk. Any laboratory flammability tests set forth herein are not intended to reflect hazards prescribed by materials under actual fire conditions. It is the Buyer's responsibility to determine the suitability of Polymer Product's products for his specific applications.