1.0 PURPOSE

This specification was established to provide material requirements for polyurethane antistic foam.

2.0 SCOPE

This specifications applies to pink antistatic foam of all cut configurations.

3.0 REFERENCES

Cyastat 609 specification
Foamex technical bulletin
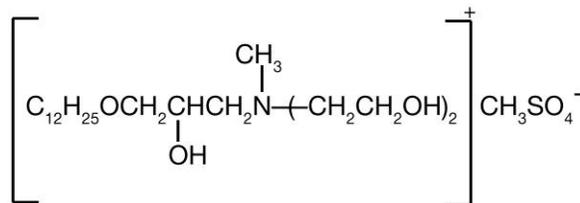
4.0 GENERAL REQUIREMENTS

4.1 MATERIAL:
Foam shall be Foamex PV-180-95 Polyurethane Foam packaging grade, pink color.

Density (Lbs/cu.ft)	: 1.75 – 1.85
ILD@25%	: 90-95
Tear Strength (Psi)	: 1.25 minimum
Tensile Strength (Psi)	: 17 minimum
Elongation (%)	: 250-325
Compression set 50% @ 22hours	: 10% max @158 ^{0}F (70 ^{0}C)
Surface Resistance	: $< 1 \times 10^{11}$ ohms (ESDA 11.11)
Static Decay	: <0.1 seconds (Method 4046 of Fed. Test Method Std. 101B)

4.2 ANTISTATIC COMPONENT: Chemistry of Cyastat 609

Chemical Formula	$C_{21}H_{47}O_8NS$
Molecular Weight	473
Grade	Solution in isopropanol and DI water
PH	4.0 – 6.0

$$\left[C_{12}H_{25}OCH_2\underset{\overset{|}{OH}}{CH}CH_2\overset{\overset{CH_3}{|}}{N}-(CH_2CH_2OH)_2 \right]^+ CH_3SO_4^-$$

N,N-Bis(2-hydroxyethyl)-N-(3'-Dodecyloxy-2'-Hydroxypropyl)Methyl
Ammonium Methosulfate

5.0   DIMENSIONS

Wenvy P/N	ANTISTATIC FOAMS
72-051414	0.5" x 14" x 14" Pink Antistatic Polyurethane Foam
72-051818	0.5" THICK, 18" x 18" Pink Antistatic Polyurethane Foam
72-051924	0.5" THICK, 19.5" x 24.5" Pink Antistatic Polyurethane Foam
72-100814C	Anti static convoluted foam set size 1-1/2 thick x 8-3/4 x 14-3/4 .
72-101818	1" THICK, 18" x 18" Pink Antistatic Polyurethane Foam
72-101824	1" thick x 18" x 24" Pink Antistatic Polyurethane Foam
72-101924	1" THICK, 19.5"x 24.5" Pink Antistatic Polyurethane Foam

6.0   RESPONSIBILITIES

6.1   It is the responsibility of the production manager to ensure that the requirements herein are adhered to.

6.2   It is the responsibility of the shipping administrator to make sure that shipment orders are followed and enough time is given to ensure on- time delivery.

7.0   SHELF LIFE

Two (2) or more years, inside protective package under ambient environment

8.0   ESD STABILITY

This material will maintain consistent ESD properties, surface volume resistance and static decay, inside protective package under ambient environment.