How to select the proper size for a Shipping Case & Foam Material

For equipment that requires shock protection **select** the approximate **Fragility** from the chart below.

Chart 1

Approximate Fragility of Typical Packaged Articles		
Extremely fragile	Missile guidance systems, precision aligned test instruments	15 - 25 G's
Very delicate	Mechanically shock mounted instruments and electronic equipment, Disk Drives	25 - 40 G's
Delicate	Aircraft accessories, Computers, Laptops, Flat Panel Monitors, Standard Monitors, Printers, Scanners	40 - 60 G's
Moderately Delicate	Television receivers, aircraft accessories	60 - 85 G's
Moderately Rugged	Major appliances	85 - 115 G's
Rugged	Industrial machinery	115 G's and up

Divide the equipment weight, pounds, by the bearing area (surface that will rest on the foam), square inches. This will establish the foam loading, pounds per square inch (**psi**)

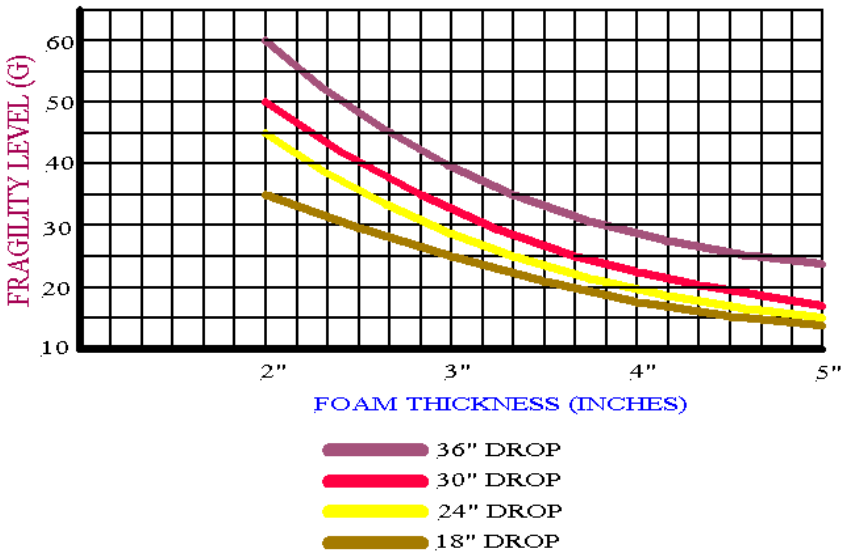
For Loading 0.1 to 0.3 psi use 2.0 lbs./cubic foot Polyurethane

For Loading 0.3 to 0.6 psi use 4.0 lbs./cubic foot Polyurethane

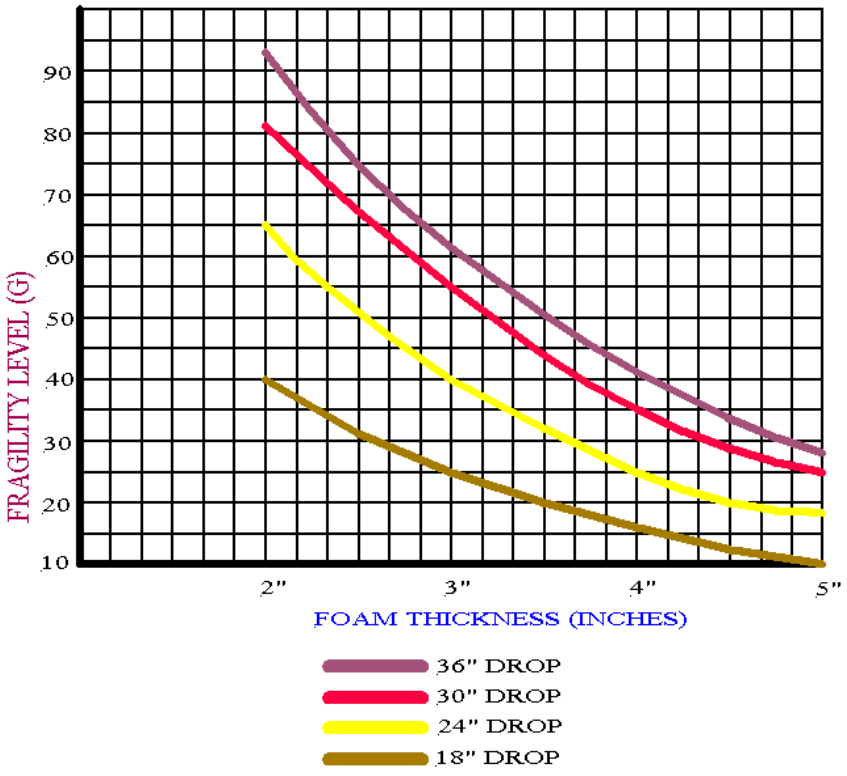
For Loading 0.5 to 1.0 psi use 2.0 lbs./cubic foot Polyethylene

Enter Chart 2 at the fragility level; proceed horizontally to intersect the curves at the required height of drop move vertically from this point of intersection down to the indicated foam thickness required. Repeat for each axis of drop.

2 LBS./ CUBIC FOOT POLYURETHANE (ESTER)



4 LBS./ CUBIC FOOT POLYURETHANE (ESTER)



2 LBS./ CUBIC FOOT POLYETHYLENE