



Poly Labs U36-5 Data Sheet

Energy Absorbing Polyurethane Foam

Energy Absorbing Polyurethane Foam for Athletic, Military & Public Safety Helmet Padding

Key Features of Poly Labs U36-5 PU Foam

100% Made in the USA, Poly Labs U36-5 energy absorbing PU foam for helmet padding has a medium-density. This style foam is ideal for several padding applications including athletic helmets. This style also serves as beneficial in other padding applications not requiring a high tear resistance. Poly Labs U36-5 Energy Absorbing PU Foam can be co-molded as well as in-mold coated.

Ideal applications for Poly Labs Energy Absorbing U36-5 Polyurethane Foam includes:

Athletic, military, and public safety helmet padding



The typical properties of Poly Labs' U36-5 Energy Absorbing Foam are as follows:

Density	0.3 g/cm ³
Hardness, Shore OO (10 sec)	14 – 16
Tensile Strength	69 psi
Elongation	183 %
Die C Tear	4.1 pli
Trouser Tear (p/l)	4.0
Compression Set, 50 % at 77°F	
Of original thickness	2.0 %
Of original deflection	1.0 %
Compression Set, 50 % at 158°F	
Of original thickness	14.0 %
Of original deflection	7.0 %