



Poly Labs U-19 (105) Data Sheet

Hydrophobic Energy Absorbing PU Foam

Advanced Hydrophobic Energy Absorbing PU Foam for Impact Protection

Key Features of Poly Labs U-19 (105) PU Foam

U-19 (105) polyurethane exhibits extremely low rebound upon impactation.

Density and compression deflection properties can be varied to meet specific requirements.

Special hydrophobic formulation eliminates the need for bagging or concerns around sweat or water absorption.

Ideally suited for athletic padding, helmet padding and defense impact protection applications



The properties of our U-19 (105) energy absorbing foam are as follows:

Density	0.13 to 0.25 g/cm ³
Hardness, Shore OO (3 sec)	70 – 80
Tensile Strength	190 – 235 psi
Elongation	70 – 95 %
Die C Tear	4.5 – 6.0 pli

**Properties based on 1/4" test panels molded at 0.20 g/cm³*