



# PROFESSIONAL PLASTICS

[www.professionalplastics.com](http://www.professionalplastics.com)

## **Proplas™ Duct Spacers/Proplas™ Bore Spacers High Density Polyethylene**

<b>Property*</b>	<b>ASTM Test Method</b>	<b>Typical Properties</b>
<b><u>Physical/Mechanical</u></b>		
Density	D792	0.035 (lb/in <sup>3</sup> )
Water Absorption @ 24 hours	D570	0%
Tensile Strength	D638	4,600 (psi)
Tensile Elongation @ Yield	D638	900%
Flexural Modulus	D790	200,000 (psi)
Hardness, Shore D	D785	D69
Izod Notched Impact	D256	3 (ft-lb/in)
<b><u>Thermal</u></b>		
Coefficient of Linear Thermal Expansion	D696	6 (x 10 <sup>5</sup> in./in./°F)
Heat Deflection Temp @ 66 psi	D648	170°F / 76°C
Heat Deflection Temp @ 264 psi	D648	150°F / 40°C
Approx. Melting Temp	D3418	260°F / 125°C
Max Operating Temp	D3418	180°F / 82°C

\*The nominal properties reported herein are typical of the product but do not reflect normal testing variance and therefore should not be used for specification purposes

\*Typical Properties reported herein were determined on compression molded samples prepared in accordance with Procedure C of ASTM D4703, Annex AL

### **Branch Locations:**

Atlanta, GA  
Buffalo, NY  
Cleveland, OH  
Dallas, TX  
Denver, CO  
Fullerton, CA

Houston, TX  
Kalispell, MT  
Ogden, UT  
Phoenix, AZ  
Portland, OR  
Sacramento, CA

San Diego, CA  
San Jose, CA  
Seattle, WA  
Tampa, FL

Professional Plastics is a family-owned business dedicated to supplying superior plastic products & support.

**PROFESSIONAL PLASTICS, INC.**

**Toll Free 800.966.PROS (7767)**

[sales@proplas.com](mailto:sales@proplas.com)