

**DOLPHIN 7010**

**GLASS BEDDING ElastiSeal™ SEALANT**

**DESCRIPTION:** **DOLPHIN 7010** is a heavy-bodied, elastomeric, adhesive/sealant designed to hold glass in metal window frames. This soft, tough sealant evenly dampens vibration and shock to protect the glass while the vehicle is in motion. This combination of softness and toughness prevents glass breakage caused by the differential in expansion and contraction between glass and metal at temperatures as low as -60° F or as high as 180° F. **DOLPHIN 7010** contains “miniature spacers” small enough to pass through standard dispensing equipment. These “miniature spacers” prevent the window from coming in direct contact with the metal frame when the window is installed and assure a proper seal.

In addition to holding glass windows in place, this sealant also prevent air and water leaks; in laboratory tests no water leaks were observed after weeks of cycling a window frame between -60° F and 180° F. **DOLPHIN 7010** also bonds to most rubber window locking seals and can be used to seal between the window and the window opening or used for installed windows to prevent air and water leaks.

**APPLICATION:** **DOLPHIN 7010 Glass Bedding ElastiSeal** is packaged in drums, pails and caulking cartridges. Although it can be used with a standard caulking gun, powered caulking guns or hand guns with an adjustable thrust ratio are recommended for dispensing from cartridges. Excess material can be removed with mineral spirits before the sealant dries; dried sealant can be removed with toluene or mineral spirits and “elbow grease”.

**PROPERTIES:**

Specific Gravity:	.91 - .97
Color:	<b>DOLPHIN 7010</b> - Translucent
Solids by wt:	70% - 75%
Volatile Organic Content:	2 – 2.33

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**Dolphin 7010**

Flash Point, Seta Flash CC:	40° – 50°F
Dry Time @ 68°F; 50% RH ASTM D 1640; .125" thick	5 minutes set to touch 24 hours through dry

**THE FOLLOWING TESTS WERE PERFORMED AFTER DRYING  
21 DAYS @ 68° F.; 50% RH**

Hardness, Shore A: ASTM D 2240	45 - 55
Adhesion, Peel: ASTM C 794 after 336 hours @ 180° F.	30 lbs./in from glass 25 lbs./in from treated aluminum
Adhesion, Peel: ASTM C 794 after 168 hours in H <sub>2</sub> O	28 lbs./in from glass 20 lbs./in from treated aluminum
Tensile Strength: ASTM D 412; Die C	310 psi
Elongation: ASTM D 412; Die C	120%
QUV Light/Water Exposure: ASTM G 53; QUV-A 340 1000 hours	No cracking No discoloration No adhesion loss

LOS041498  
Rev: 082708

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