



**W.R. LANG**

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## DATENBLATT PPT - Art. 84202 ff.

### Physical Properties

|  |            |
|--|------------|
| Density (lbs./ft. <sup>3</sup> ).....        | 15-20 lbs  |
| Compression Set %                            |            |
| Room Temperature (Dry, 73°F) .....           | <2         |
| Elevated Temperature (Dry, 158°F) .....      | <10        |
| After Hydrolysis (autoclaved at 250°F) ..... | <5         |
| Compression Force Deflection                 |            |
| 25% Deflection, PSI .....                    | 7          |
| 50% Deflection, PSI .....                    | 13         |
| Tensile Strength                             |            |
| PSI Min .....                                | 78-84      |
| Elongation                                   |            |
| % Min .....                                  | 100 - 110% |

### Corrosion Resistance

Excellent (AMS 3688)

### Test Methods

- ASTM D 1687 (25% compression for 22 hrs. @ 73°F, 24 hrs. recovery)
- ASTM D 3574 (50% compression for 22 hrs. @ 158°F, 1/2 hr. recovery)
- ASTM D 3574 (after 8 hrs. of autoclaving @ 250°F, 1/2 hr. recovery)
- .026+ thick specimens tested on an Instron @ 0.2 in./minute strain rate
- ASTM die No. 1584 run @ 20°/min

*NOTE: The above data represent nominal values and may vary with thickness.*

*The user should make his own tests to determine the suitability of this product for his intended use.*

### Durometer

13-21 Shore "O" 0-14 Shore "A"

### Temperatures

PPT tolerates temperatures up to 250°F for brief periods. Its embrittlement temperature is -60°F.

### Bonding

All common orthotic materials can be bonded to PPT. When using Polyolefin plastics, surface roughing of the plastic, a common practice, is recommended. As always, read and understand the label directions of the cement you use, with special attention to drying time.

If you are using non-abraded PPT, it may be helpful to rough the surface slightly with sandpaper before applying the adhesive.

PPT is easily cut with scissors to produce a finished look. Thicker material, 1/4" or more, can also be rough cut on a band saw.

### Chemical Resistance

PPT is unaffected by mild inorganic acids and bases. It shows modest swelling with oils, greases, and other linear hydrocarbons. In most cases, physical properties recover to a great extent as the solvents evaporate.

Diese Dokumentation dient der Information und ist rechtlich unverbindlich. Bei speziellen Anwendungen sollten Vorversuche im kleinen Maßstab durchgeführt werden.