

tesa® HiP - High Initial Performance
 The Easy Way to Bond Plastics in Automotive

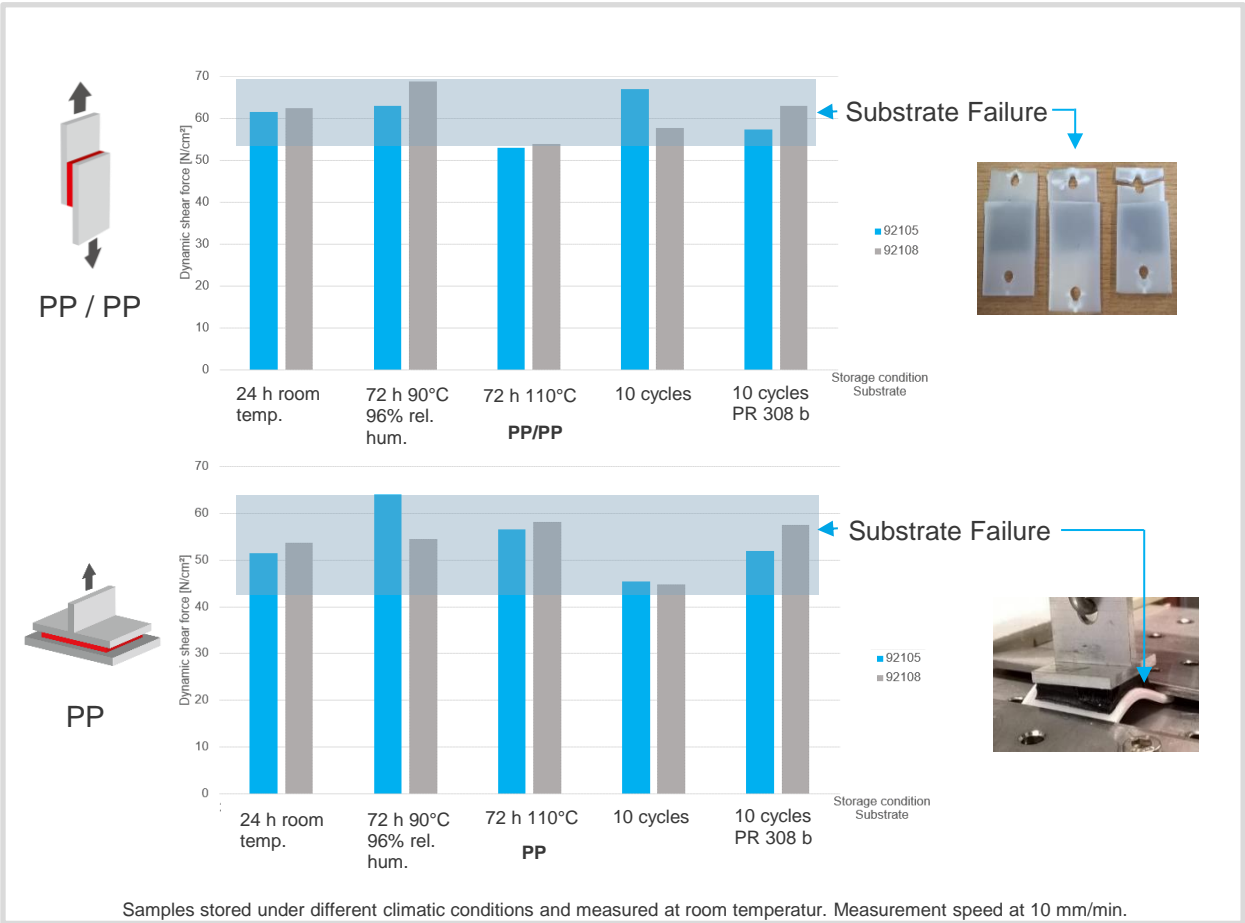


With tesa® HiP bonding of different plastics is easy, fast, and reliable. The bonding performance can compete with established bonding technologies like USW and liquid adhesives and does not require any pre-treatment.

Outstanding Performance on PP

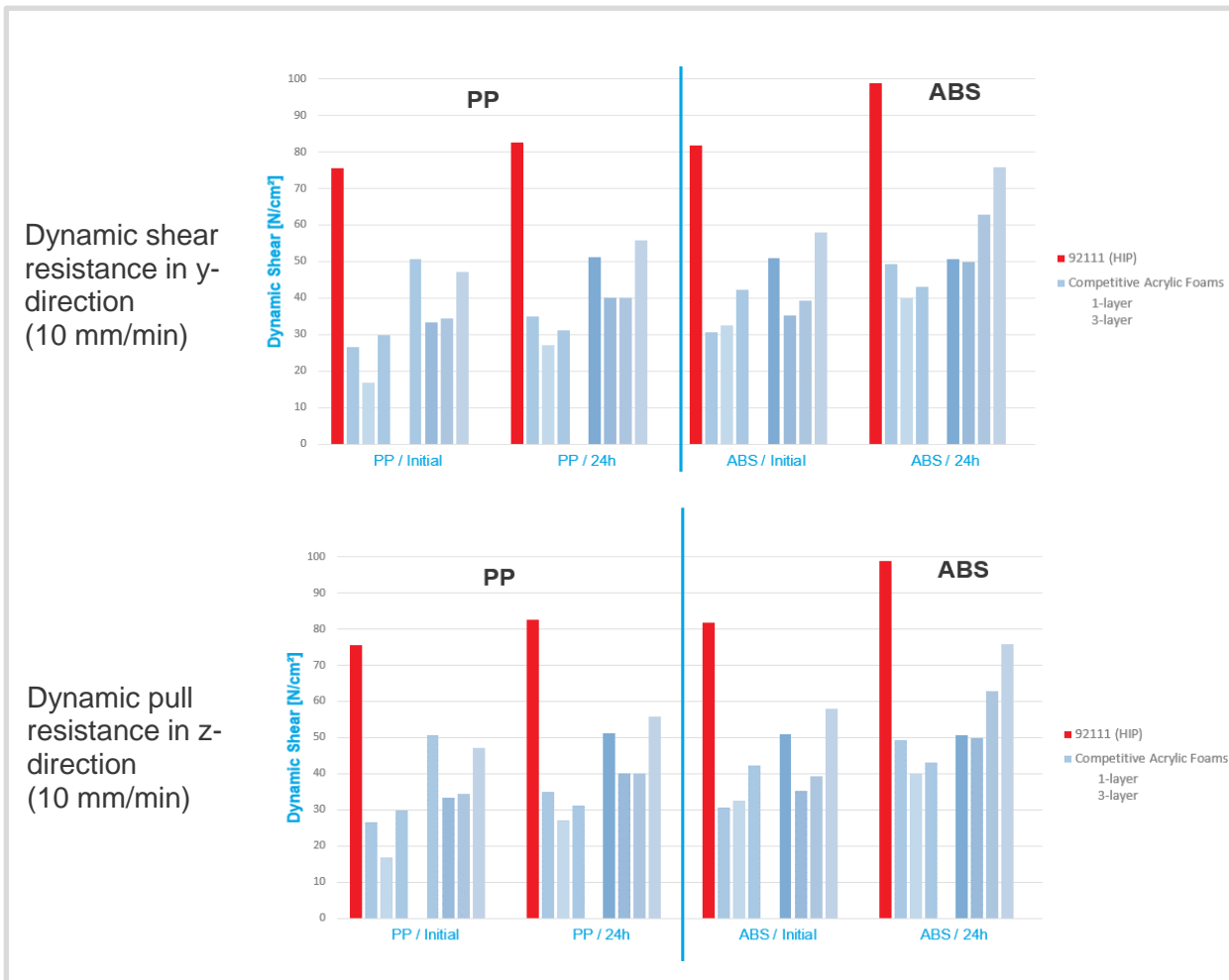


Dynamic shear force test with tesa® HiP on PP test substrate shows that HiP outperforms the inner strength of the PP plate, leading to substrate failure. Real performance of tesa® HiP is up to 150 N/cm² (on PP and ABS, pull force z-direction, 300 mm/min - (after 3 days)).

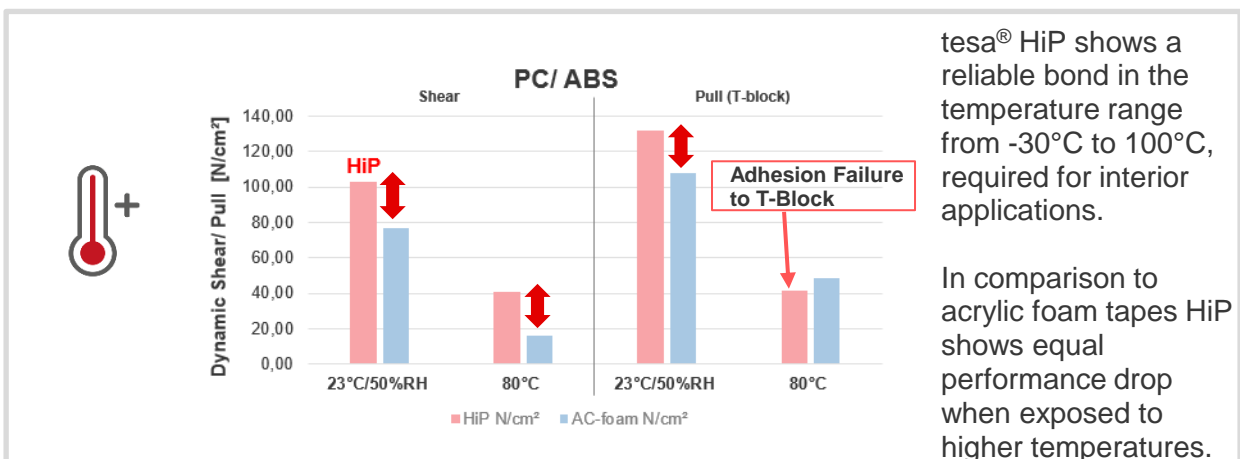


tesa® HiP in Comparison to Existing Acrylic Foam Tapes

tesa® HiP shows outstanding performance in dynamic shear resistance (y-direction) on PP and ABS and dynamic pull resistance (z-direction) initially and after 24 hours. Both tests are important requirements from component suppliers. Values are measured at demanding low speed (10 mm/min).



Influence of Temperature on Bonding Performance



tesa® HiP shows a reliable bond in the temperature range from -30°C to 100°C, required for interior applications.

In comparison to acrylic foam tapes HiP shows equal performance drop when exposed to higher temperatures.