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RE: Polylok Testing of the Part No. 3066 Corner Guard

To Whom It May Concern:

This report documents testing that was performed at the Polylok R&D department 3 Fairfield Blvd. Wallingford CT.

Product being tested is the 3066 Corner Guard, The part is molded from virgin HDPE. The part has no color concentrate in it. The product is supplied in its natural color which is a translucent white. The natural color allows this product to be non staining. It can be used in any application.

Six test specimens were used in this testing. The first two were tested at room temperature. The second two test specimens were tested at 150 deg. F . The third two specimens were tested at 0 deg. F. Specimens were subject to there respective temperatures for 24 hours prior to testing.

Testing procedures involved, resistance to breakage in general and resistance to breakage under high loads of compression.

Three test specimens after reaching there respective temperatures were made ready for testing. The three specimens were than loaded on a fixture that allowed the apex (outside corner) of the corner guard to be accessible to pressure loading while the inside corner was supported. The fixture was then place in a press. A 5,000 lbs. load was applied to the apex against the inside corner. The specimens remained under a 5,000 lbs. load for a period of 5 minutes. After 5 minutes the specimens were examined. All three specimens showed some deformation from testing. All three showed no visible signs of failure. The next three test specimens after reaching there respective temperatures, were straightened and folded and twisted. All three showed no visible signs of failure.

Should you have any questions regarding this testing, please do not hesitate to contact my office.

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