

August 25, 2020

TECHNICAL BULLETIN #156 - Physical Performance of Shaved Foam

The physical performance of Genyk 'Boreal Elite' closed cell polyurethane foam is not adversely affected by the trimming process.

In accordance with the CAN/ULC S705.1 Material Standard, the vapour permeance of Genyk 'Boreal Elite' is measured using the ASTM E96 method. This test method uses a 'core' sample, and as such, does not include the skins of the material. Thus, the product is tested in a state that is equivalent to a shaved condition.

Genyk 'Boreal Elite' has a vapour permeance performance rating of $34\text{ng}/(\text{Pa}\cdot\text{s}\cdot\text{m}^2)$. The product exceeds the requirements of the OBC – $60\text{ng}/(\text{Pa}\cdot\text{s}\cdot\text{m}^2)$ as stated in OBC 9.25.4.2.(1).

Similarly, the air permeance of Genyk 'Nature' is measured using the CCMC 07273 methodology. Again, the test sample is cored, and thus, is representative of an in-situ shaved condition.

Genyk 'Nature' has an air permeance performance rating of $0.001\text{ L}/(\text{s}\cdot\text{m}^2)$. The product exceeds the requirements of the OBC – $0.02\text{ L}/\text{s}\cdot\text{m}^2$ as stated in OBC 9.25.3.2.(1).

If you require any further information on Genyk products, I am available anytime at 226.339.3089.

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