

PET Casting Liner Removal Process for BISCO® Silicone Cellular Foam Products

Proper removal of the PET casting liner from a BISCO® Silicone cellular foam is important for maintaining product quality and minimizing the risk of tear.

How to Remove the Casting PET Liner

BISCO Silicone cellular foams are produced with a removable PET liner on one side. The product is shipped with the liner to prevent "blocking" from layer to layer of the material.

During the silicone cellular foam manufacturing process, the materials develop an outside edge taper. This outside taper can create a mechanical bond on both outside edges of the material, increasing the risk of tear.

The leading edge of the PET needs to be cleanly removed from the foam material as to not cause tearing of the material's surface skin.

The procedure below helps ensure a clean removal of the PET liner and reduces the chance of tears.

PET Liner Removal Procedure:

1. Start at the middle/center of the cellular material's web.
NOTE: Starting at the outside taper edge may cause liner removal issues
2. Then, working toward the outside edge, remove the PET liner from the material for a clean edge release.

Tips

- During removal, it is important not to crease the PET. In lower density materials, a crease may cause a tear in the skin surface.
- Removal at a constant speed is important for a successful outcome.

For more guidance or questions, please contact your Rogers Sales Engineer or email solutions@rogerscorporation.

