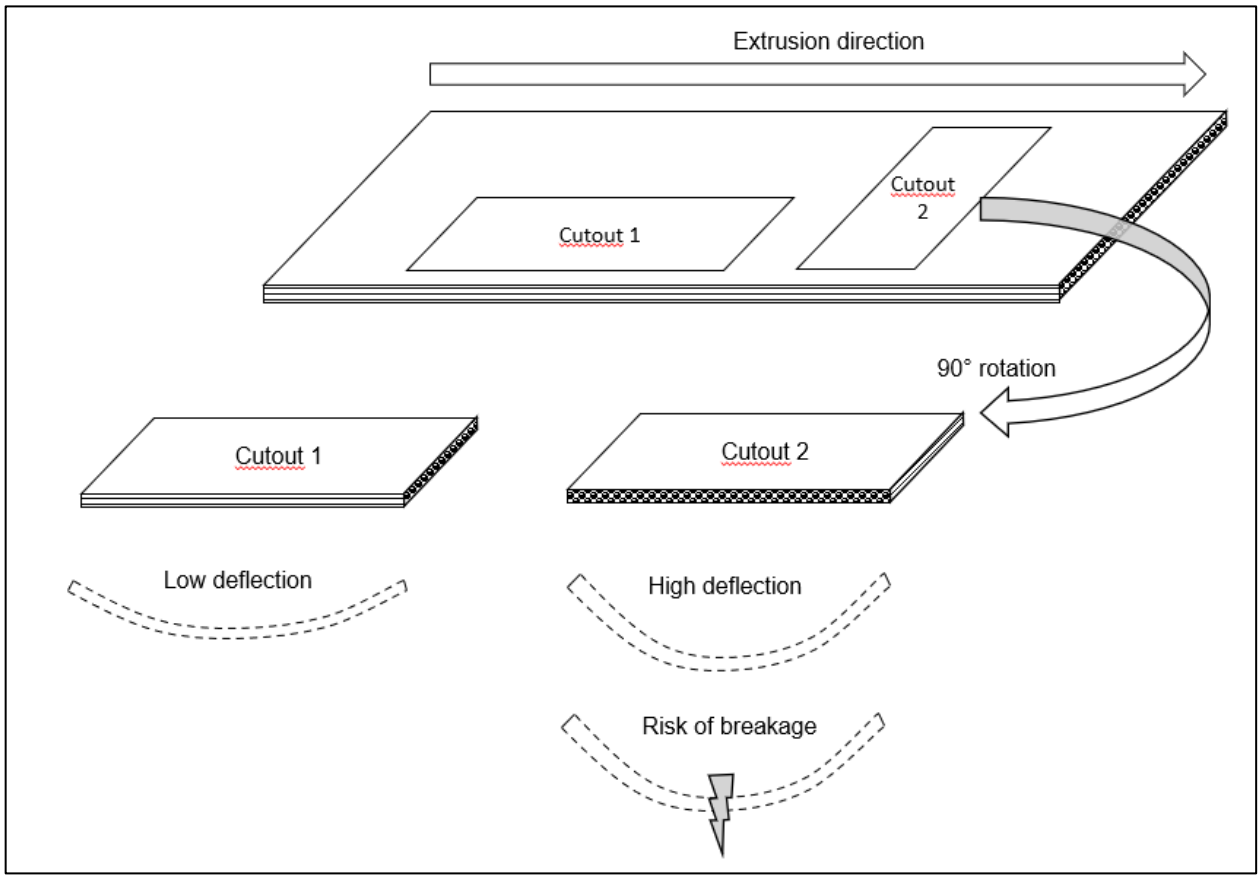
HANDLING AND BENDING STIFFNESS

SINTREX® sheets are anisotropic due to the extrusion process, meaning their properties, especially bending stiffness, depend on the manufacturing direction and are not the same longitudinally and transversely.



Handling of sheets: Large formats, especially in thinner thicknesses, should not be carried by one person alone. Due to their own weight, they bend significantly, and the sheets may break, especially when bent across the extrusion direction. Do not lift smaller formats one-handed by the corners, as there is a risk of breakage.

Packaging: Please consider the possibility of breakage even for finished printed sheets during shipping to the customer. Enclose and protect the edges. Use a strong cardboard box to increase the bending stiffness of the package. If necessary, attach a “Fragile” label to the package to prevent improper handling. Include this instruction for installation inside the package.

Installation: The bending stiffness is higher parallel to the extrusion direction than cross to it. This must be considered explicitly during product design and nesting. Always align the stressed axis parallel to the extrusion direction. The extrusion direction is always the long side of a full sheet.

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