



marlon st[®]

Cold Curving

Marlon ST multiwall polycarbonate can be cold curved only in the direction of extrusion.

Although good design practice should limit the cold curve radius to 175 times the sheet thickness, the minimum cold curve radius is equal to 150 times the sheet thickness.

Curving sheets to a tighter radius than this leads to buckling and stress levels which will reduce the impact resistance and service life of the sheet. It will also make it more prone to chemical attack.

Only sheets of 16mm and below are suitable for cold curving.

Curving of sheets thicker than this leads to optical distortion and high levels of internal stress.

Sheet Thickness	Minimum recommended radius
4 mm Twinwall	600mm
6mm Twinwall	900mm
8mm Twinwall	1200mm
10mm Twinwall	1500mm
16mm Triplewall	2400mm
25mm	not recommended

