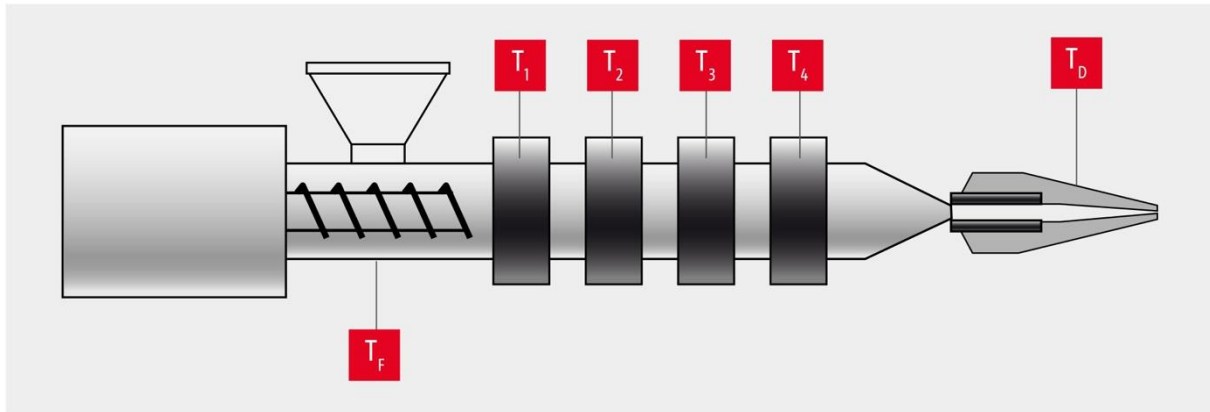


TOPAS[®] in Blends with Polyolefins (<30% COC)

Cyclic Olefin Copolymer

Processing Conditions for Extrusion



Processing Temperatures	Regardless of usual settings, extrusion temperatures must be set high enough to melt the TOPAS. Refer to the processing guide to determine recommended settings for the specific grade of TOPAS under consideration. Lower extrusion temperatures can result in incomplete TOPAS melting, creating gel-like unmelts in the finished product. Ensure that blend materials are compatible with recommended temperatures
Head Pressure	$P_{melt} > 140 \text{ bar} / 2000 \text{ psi}$ Fine screen packs as needed
Screw Speed	$n_{screw} > 50\% \text{ nominal}$
Screw Design	Multi-purpose or barrier screw w/ mixing section Screw diameter $> 60 \text{ mm} / 2.5 \text{ inch}$ Preferred L/D ratio $\geq 28:1$ where available Compression ratio 2:1

Note	Most grades of TOPAS [®] can be extruded in blends on a variety of commercial blown and cast film lines. These recommendations are suggested start-up conditions and must be optimized on the specific extrusion line. Please contact us for further process recommendations.
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IMPORTANT: This publication contains general advice for processing of our products. It indicates typical processing conditions, and is not intended to cover individual cases. The properties of our products may change as a result of processing conditions or the inclusion of additives. The information contained in this publication should not be construed as a promise or guarantee of specific properties of our products. We strongly recommend that users seek and adhere to the manufacturer's current instructions for handling each material they use, and to entrust the handling of such material to adequately trained personnel only. Please refer to the appropriate Safety Data Sheets before attempting to process our products.