

THERMOLAST K in Injection Moulding: Machines

1. Processing Machinery

THERMOLAST K compounds can be processed on standard injection moulding machines for thermoplastics incorporating 3 screw zones.

Screws should have a compression ratio of at least 2:1 and an L/D ratio of at least 20:1. Barrier screws may be required in certain cases, e.g. to achieve an increased plasticizing rate.

Processing is possible with open nozzles. The use of shut-off nozzles and a backflow check valve at the tip of the screw can be advantageous.

2. Cleaning of Machines

Before processing THERMOLAST K, clean out the injection moulding system with polypropylene. If another material is to be used afterwards, run the system until empty and purge again with polypropylene.