

Polycarbonate Melt Flow Test Parameters

Written by Administrator

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Harry, We have a T.O. Model MP993 Controller / Timer which serves us well on most materials. We are in the process of getting more and more jobs calling for polycarbonate material...which my OIPM does not address. What temperature, weight, release time, piston travel, melt density should I use. I need it all.

Best Regards,

Roger Claypool

Hi Roger - Thanks for your question. Generally, PC is tested at 300 C with a 1.2 kg load. Release time & piston travel are based on expected melt flow. You'll have to try a few test to get the right settings. Melt density can be determined by selecting "calculated" for density type when configuring a test program for a Method B test. You will then have to cut off and weigh the extrudate that is produced in either a 1/4" or 1" of travel and enter that weight into the MP993 controller. It will then calculate the melt density and melt flow index. There are written instructions in the current MP993 manual that will help you. If you still need help, please give us a call. Thanks again.