

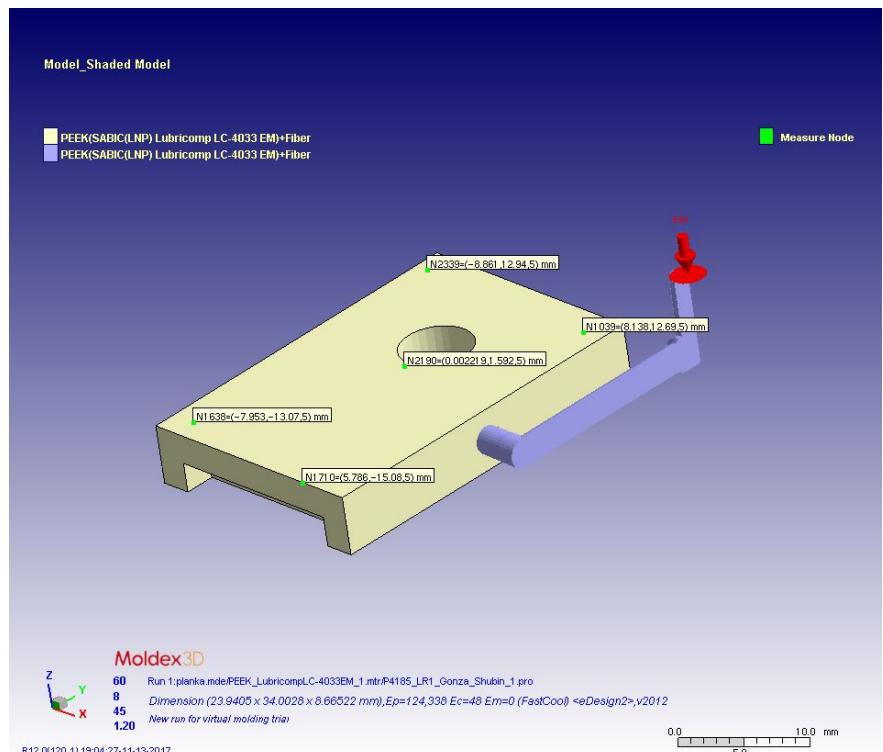
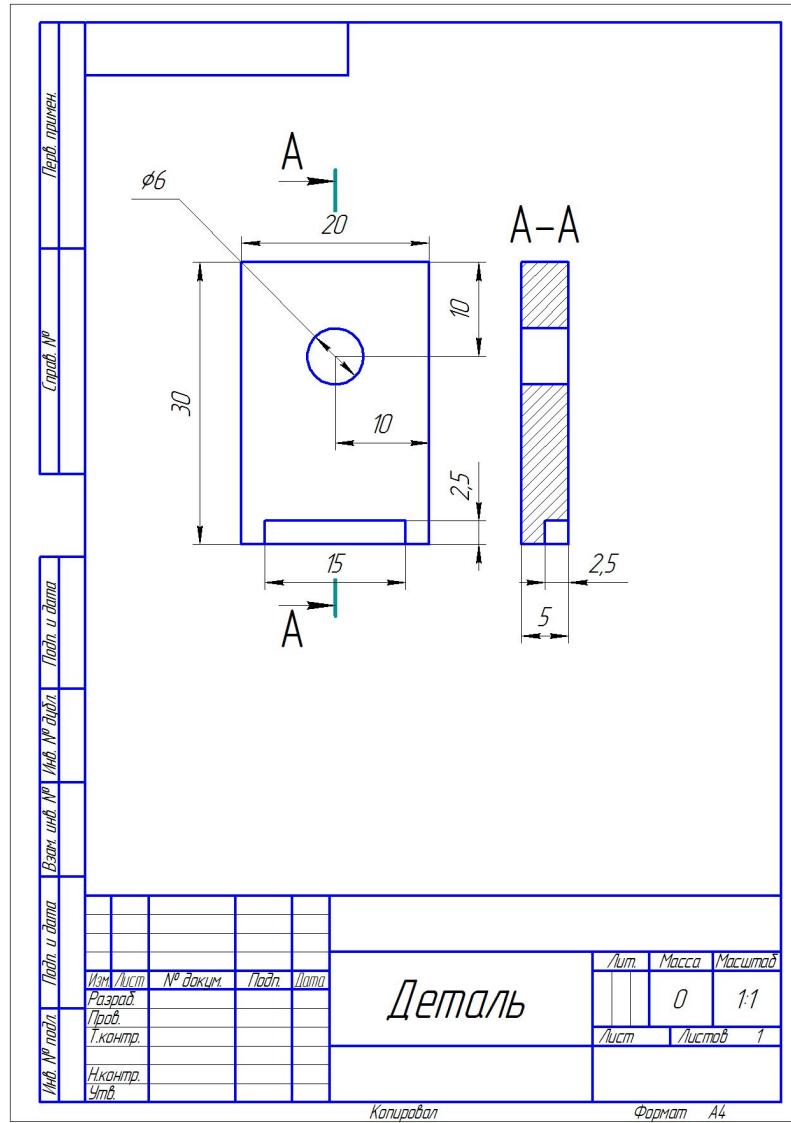


Кафедра Технологии приборостроения

Защита отчета по лабораторной
работе по дисциплине
"Моделирование приборов и
производственных процессов"

Выполнили: **Гонза Н., Шубин А., гр. Р4185**

Исследуемая модель





Сетка и материал

1.2. Mesh Summary

Mesh Type	eDesign2
No. cooling channel	2
Part dimension	20.10 x 30.15 x 5.00 (mm)
Mold dimension	92.00 x 90.00 x 27.00 (mm)
Cavity(Part) volume	11.1797 (cc)
Cold runner volume	0.270088 (cc)
Element number	124338
Part elements	124338
Node number	126929

1.3. Material Summary

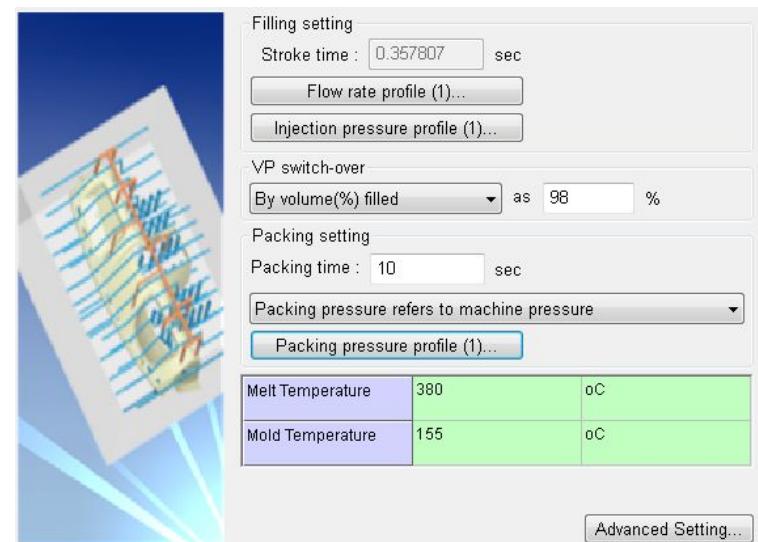
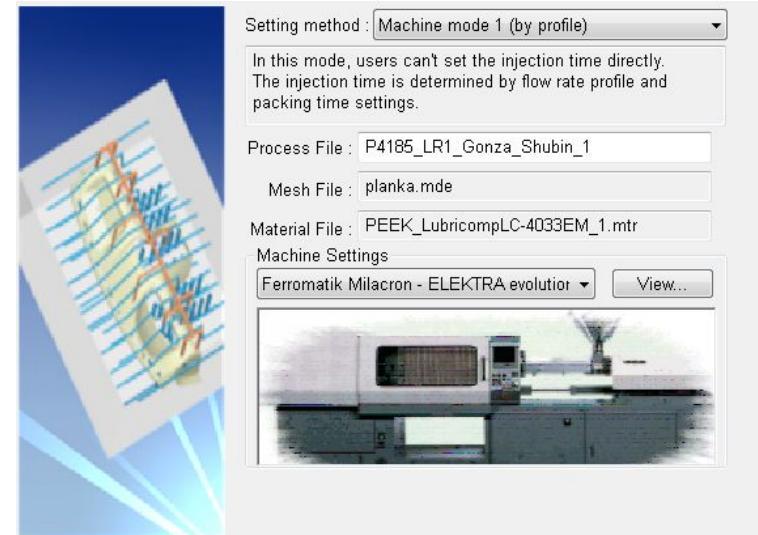
Material type	Thermoplastic
Generic name	PEEK
Supplier	SABIC(LNP)
Trade name	Lubricomp LC-4033 EM
MFI	Unavailable
Fiber percent	15.00 (%)
Melt temperature range	360 - 400 (oC)
Mold temperature range	140 - 170 (oC)
Ejection temperature	313 (oC)
Freeze temperature	333 (oC)



Настройки первого расчета

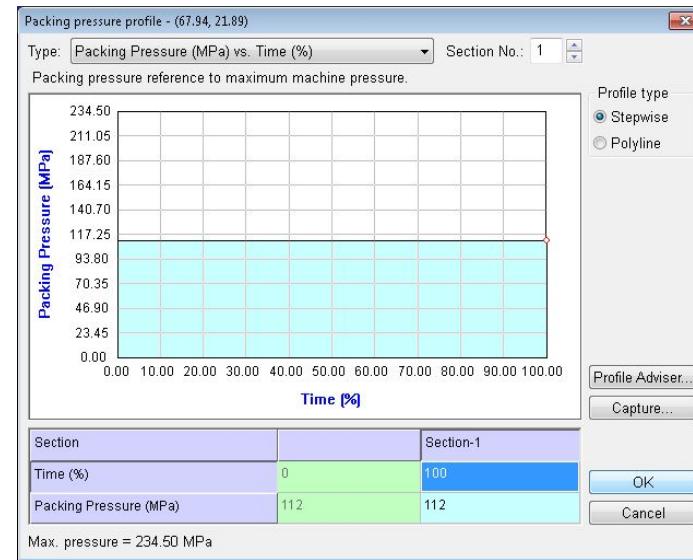
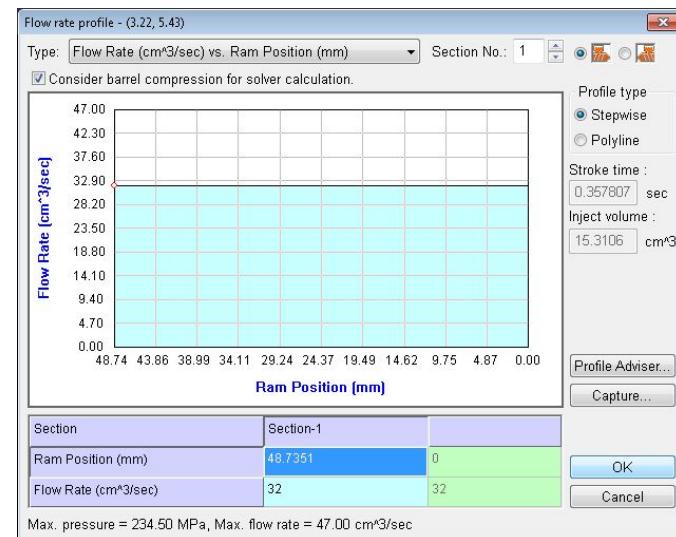
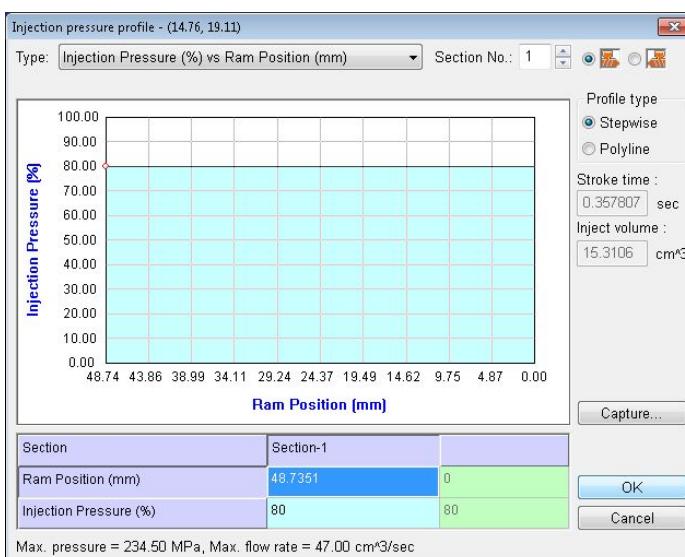
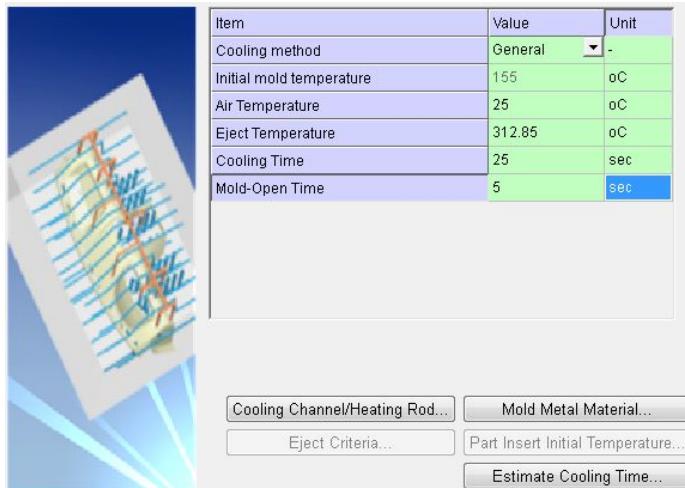
Process Summary

Stroke Time	0.3578 (sec)
Melt Temperature	380.0 (oC)
Mold Temperature	155.0 (oC)
Maximum Injection Pressure	234.50 (MPa)
Injection Volume	11.4498 (cc)
Packing Time	10.0000 (sec)
Maximum Packing Pressure	234.50 (MPa)
VP Switch by volume(%) filled	98.00 (%)
Mold Opening Time	5.0000 (sec)
Ejection temperature	312.9 (oC)
Air Temperature	25.0 (oC)

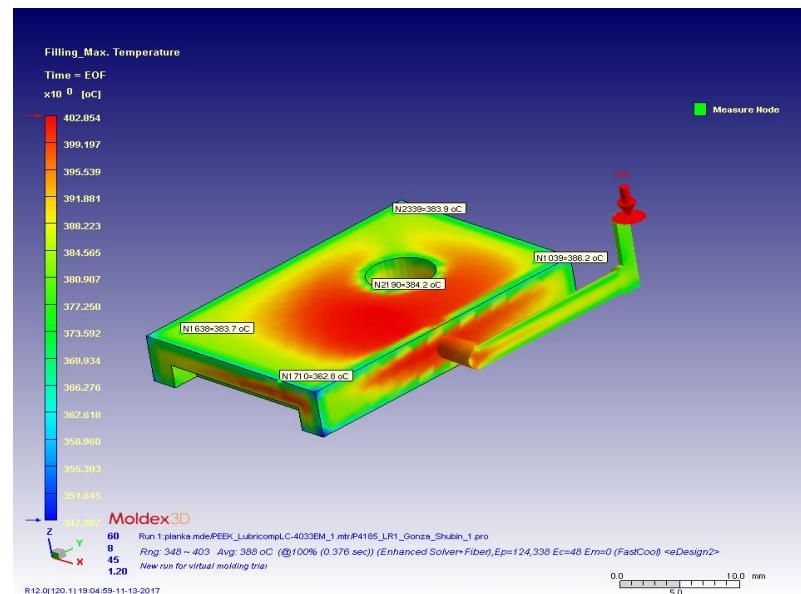
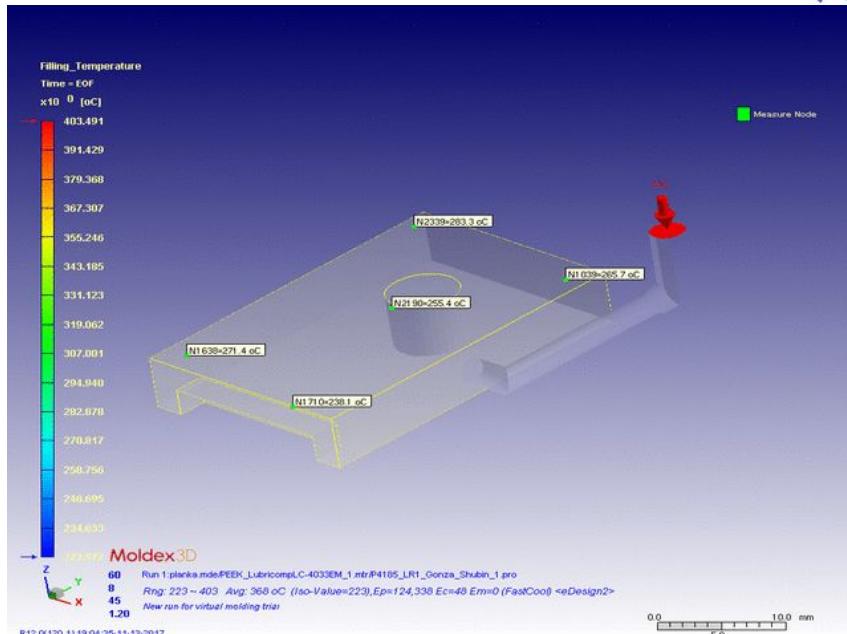
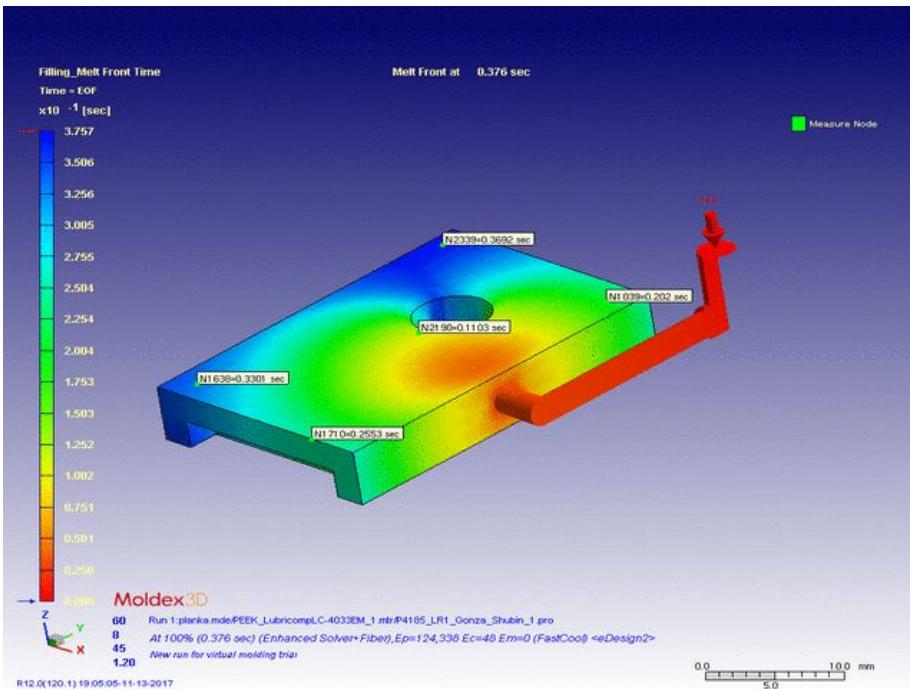




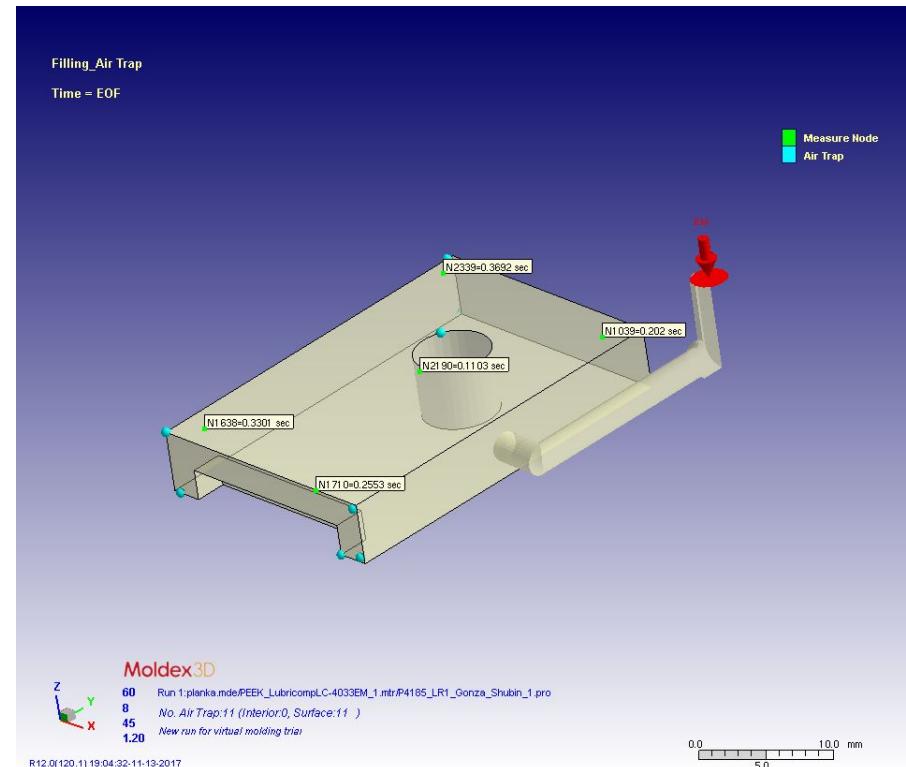
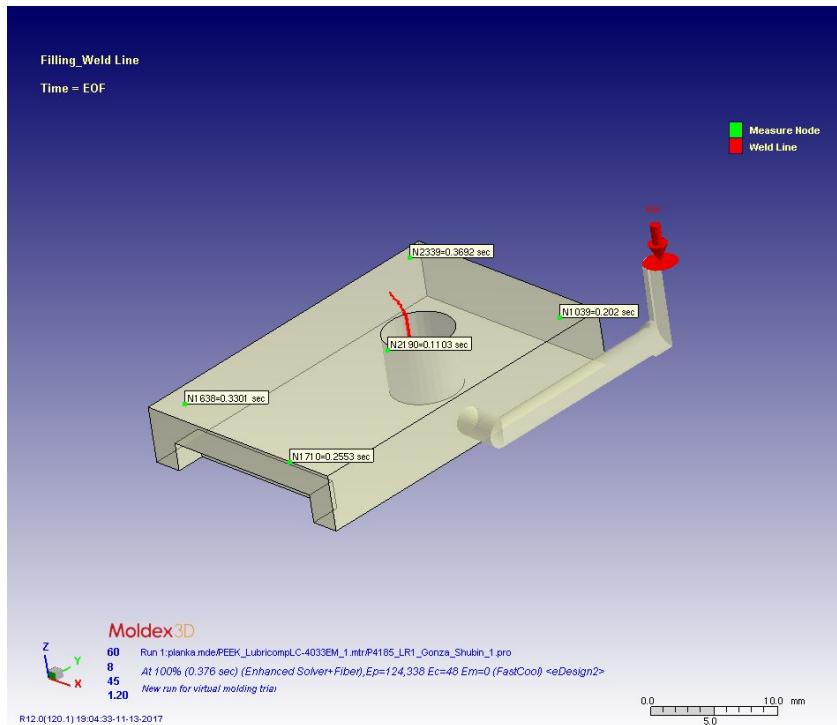
Охлаждение и профили



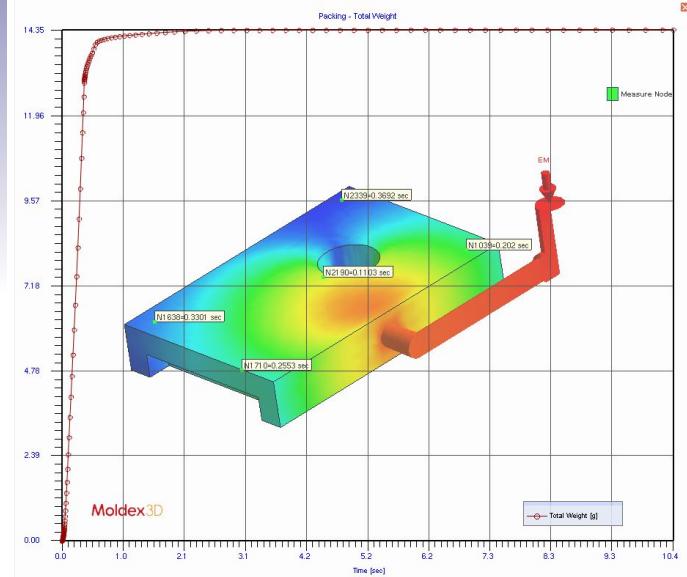
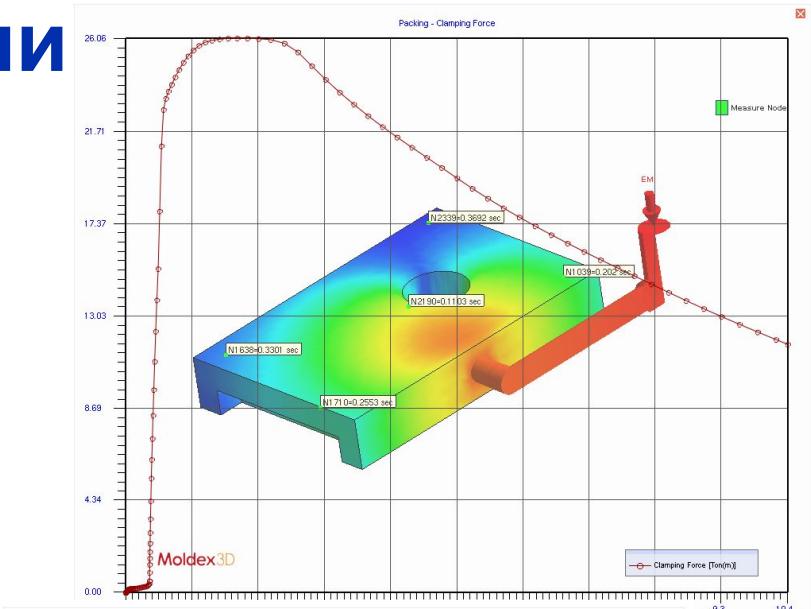
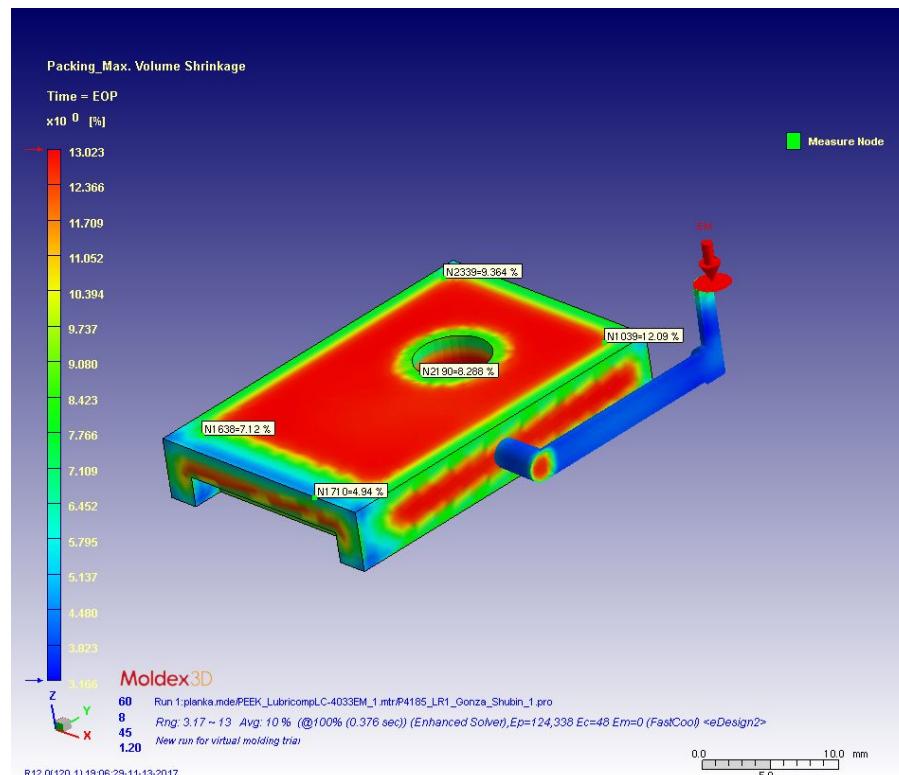
Заполнение формы



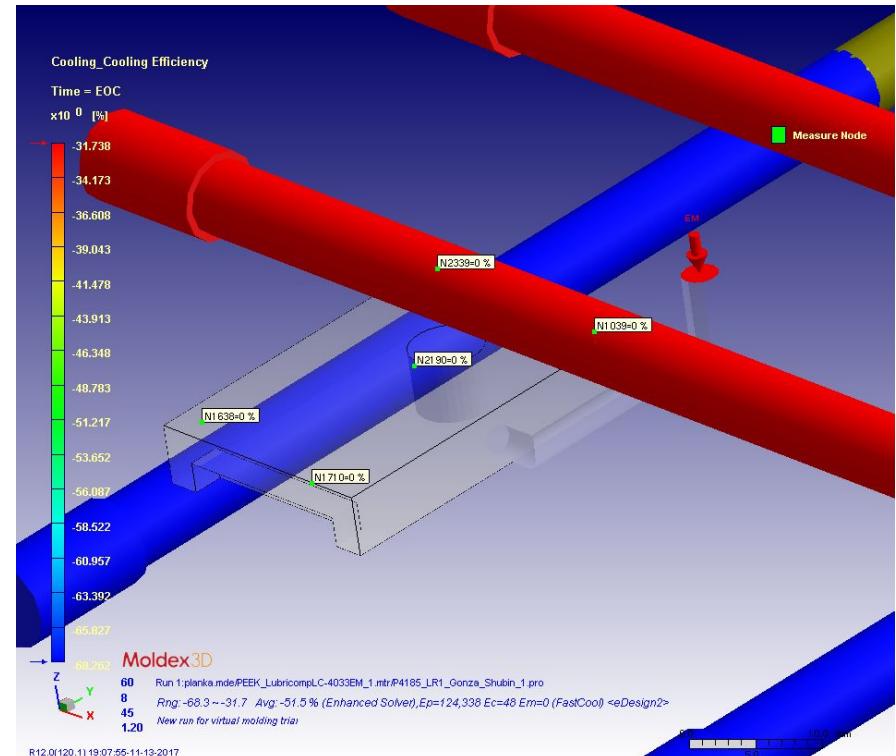
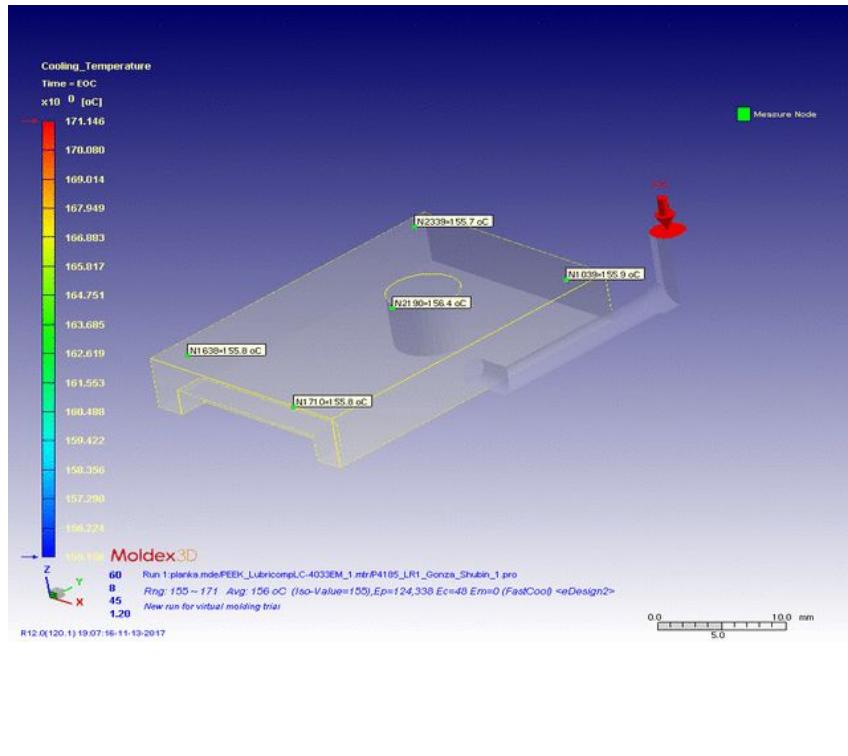
Линия спая и воздушные ловушки



Выдержка под давлени

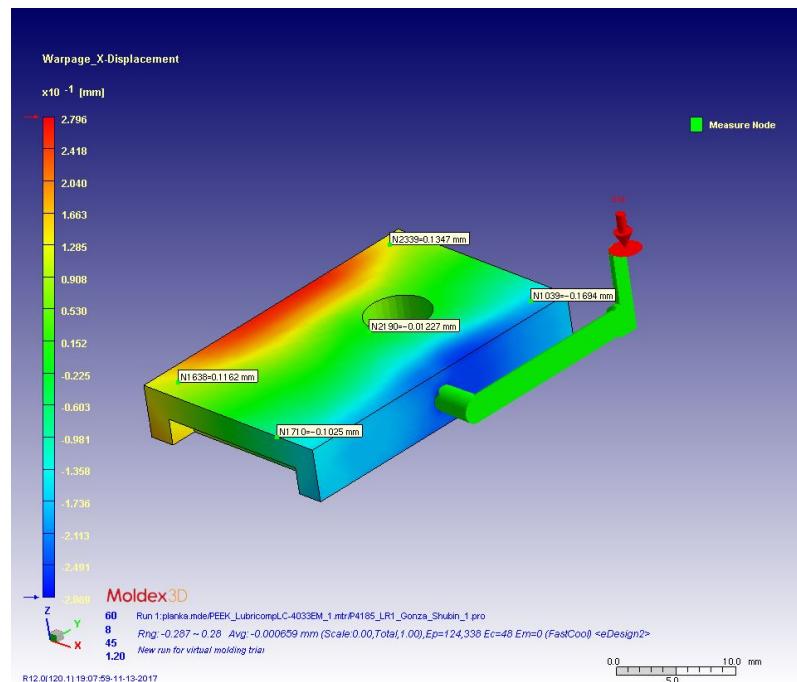
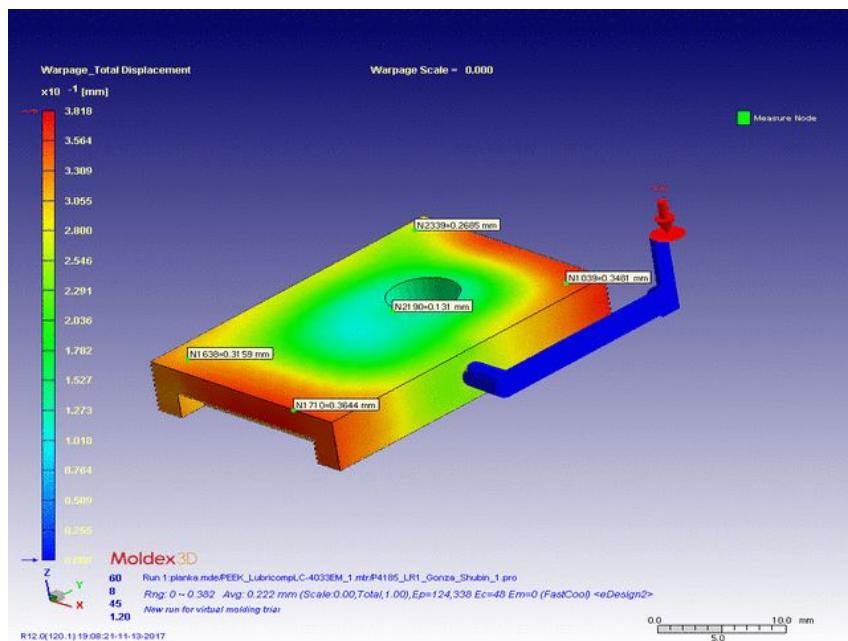


Охлаждение





Коробление

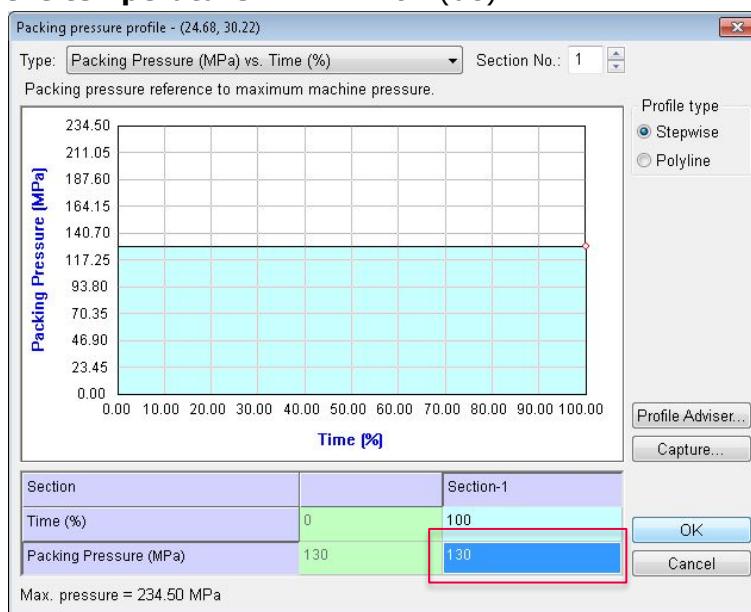




Параметры второго расчета

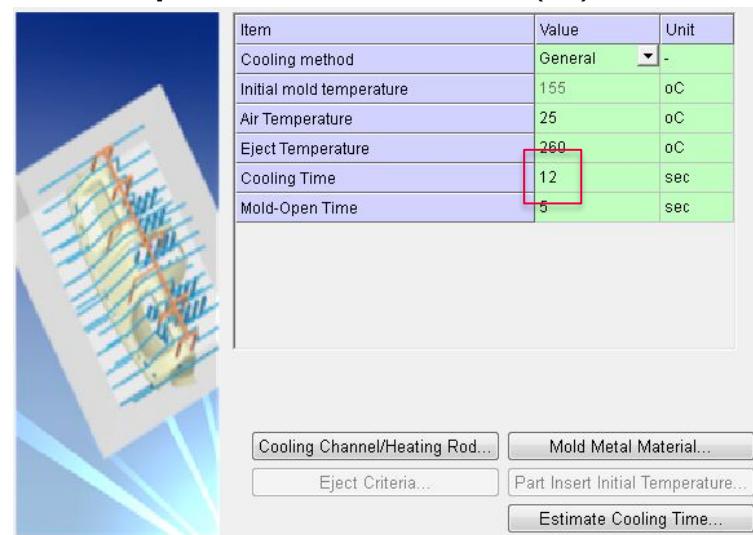
Material Summary

Material type	Thermoplastic
Generic name	PEEK
Supplier	SABIC(LNP)
Trade name	Lubricomp LCL33E
MFI	Unavailable
Fiber percent	15.00 (%)
Melt temperature range	365 - 405 (oC)
Mold temperature range	135 - 160 (oC)
Ejection temperature	274 (oC)
Freeze temperature	294 (oC)

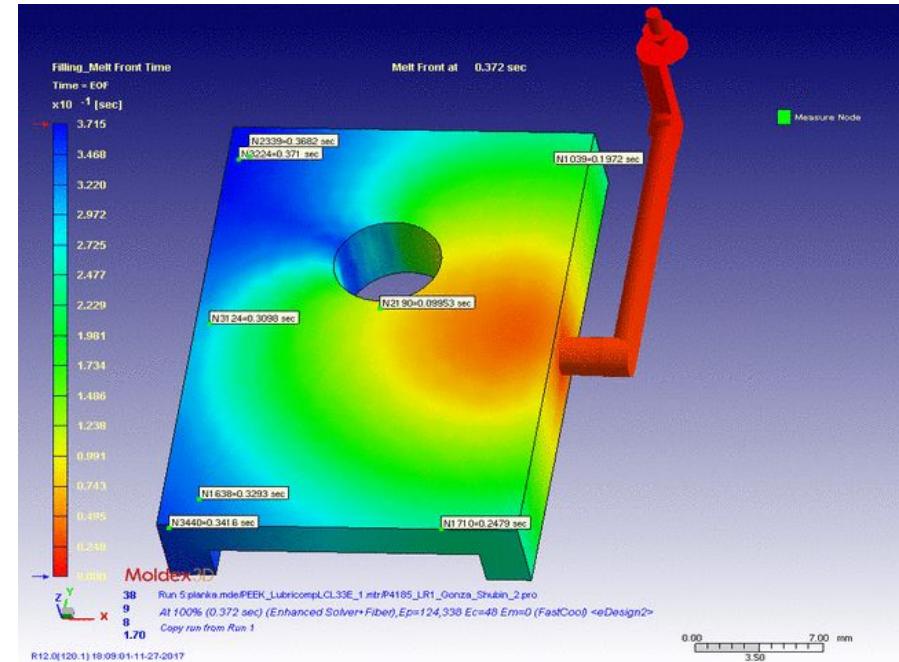
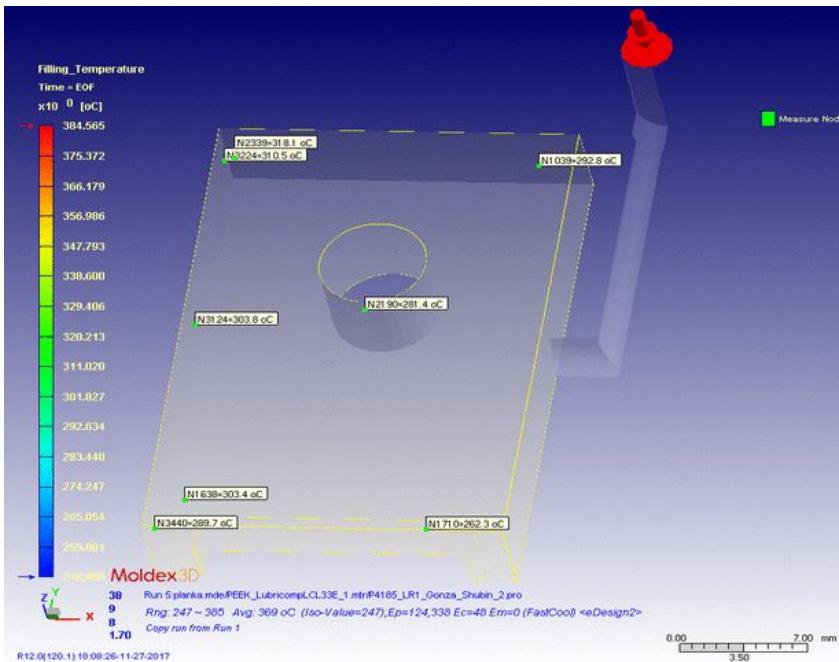


Process Summary

Stroke Time	0.3578 (sec)
Melt Temperature	375.0 (oC)
Mold Temperature	155.0 (oC)
Maximum Injection Pressure	234.50 (MPa)
Injection Volume	11.4498 (cc)
Packing Time	7.0000 (sec)
Maximum Packing Pressure	234.50 (MPa)
VP Switch by volume(%) filled	98.00 (%)
Mold Opening Time	5.0000 (sec)
Ejection temperature	260.0 (oC)
Air Temperature	25.0 (oC)

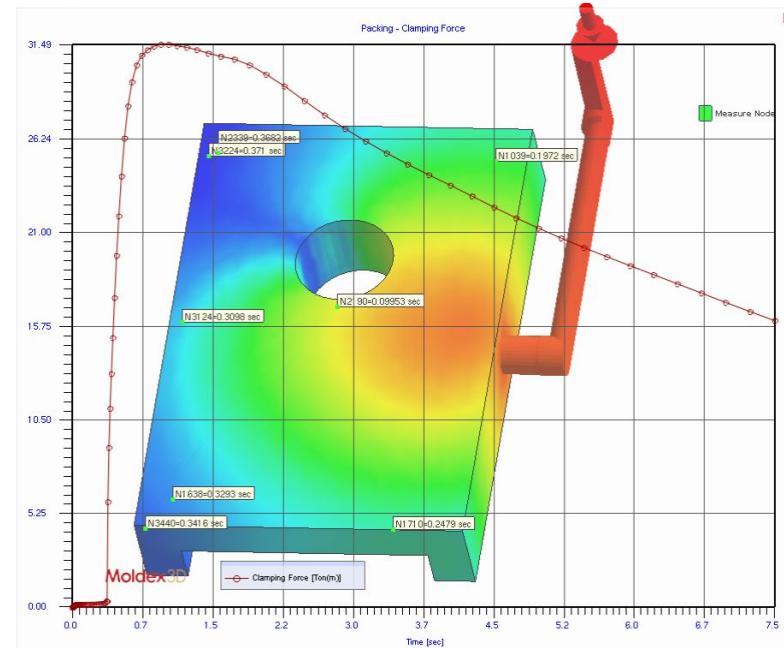
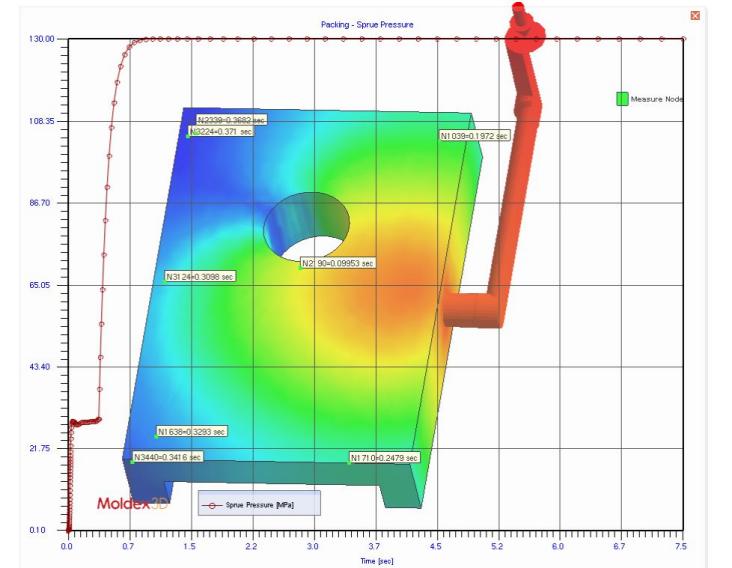
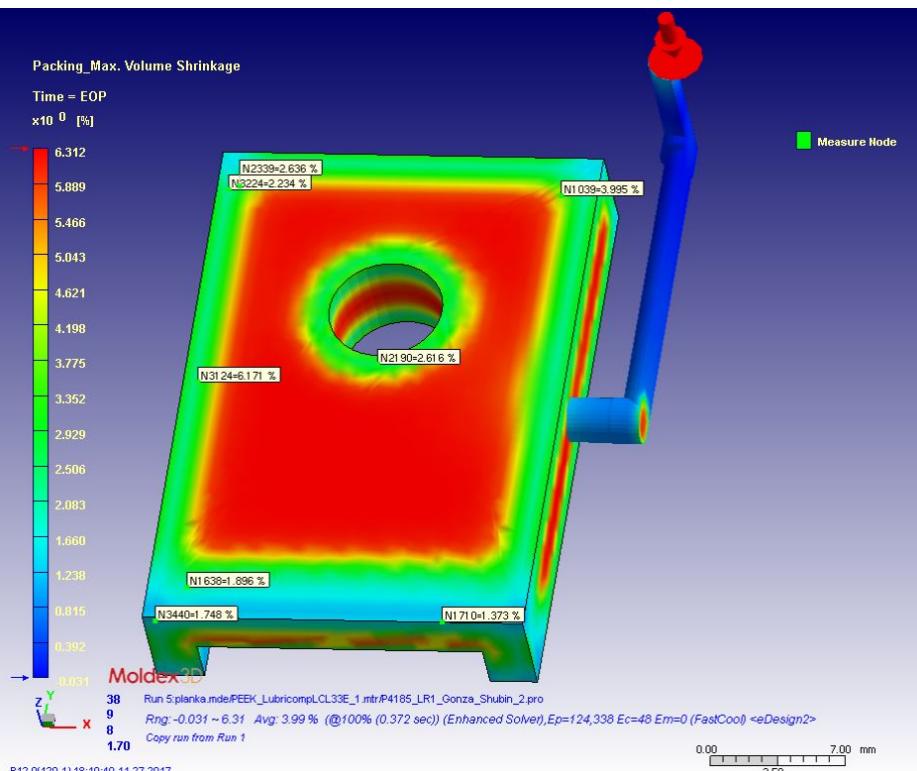


Результаты второго расчета. Заполнение

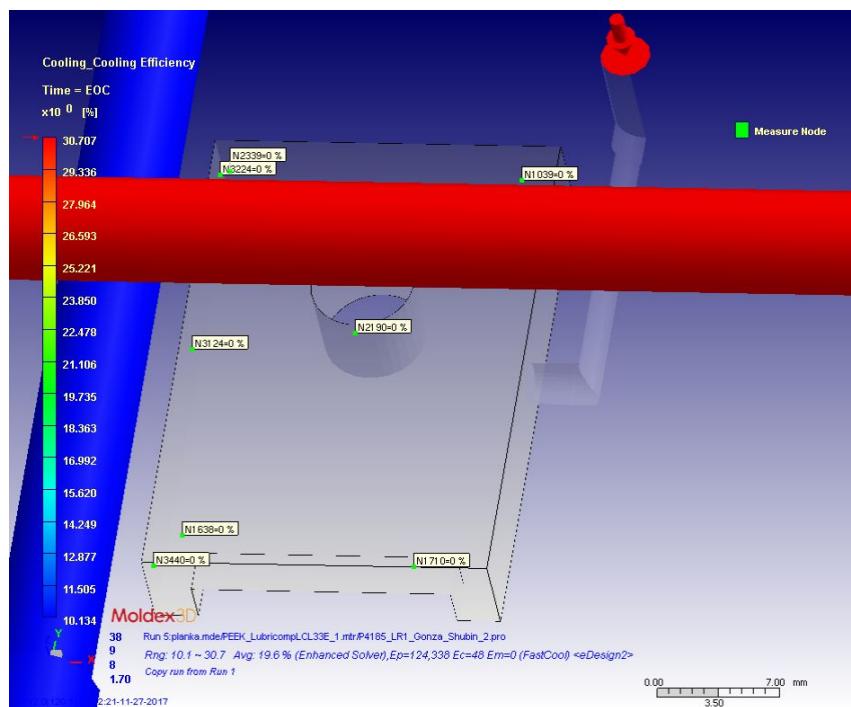
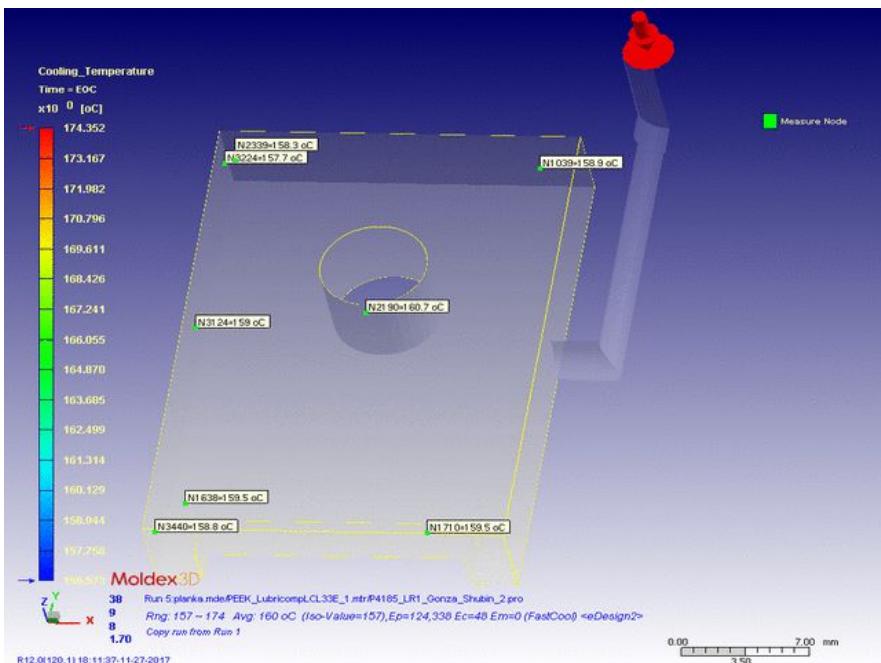




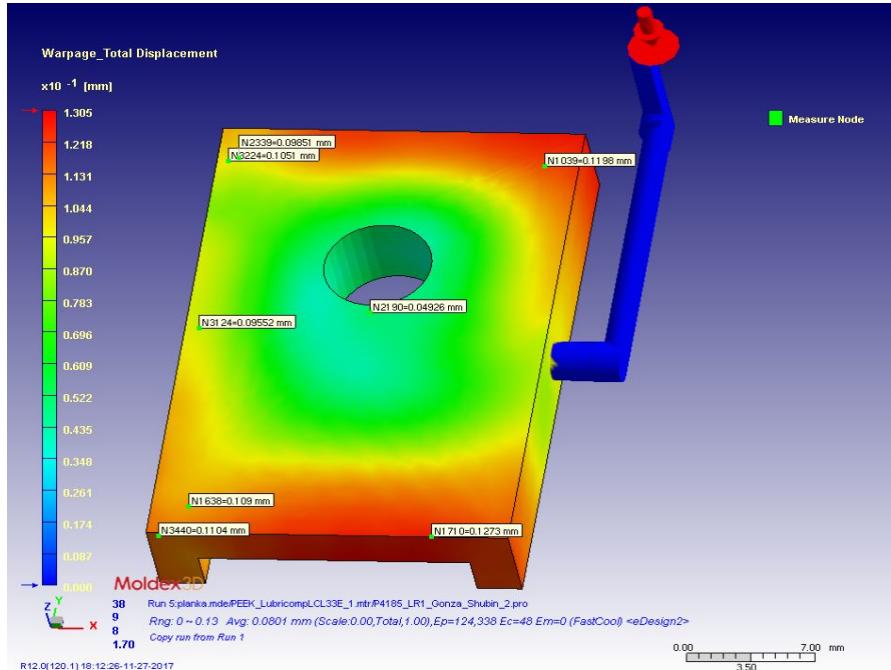
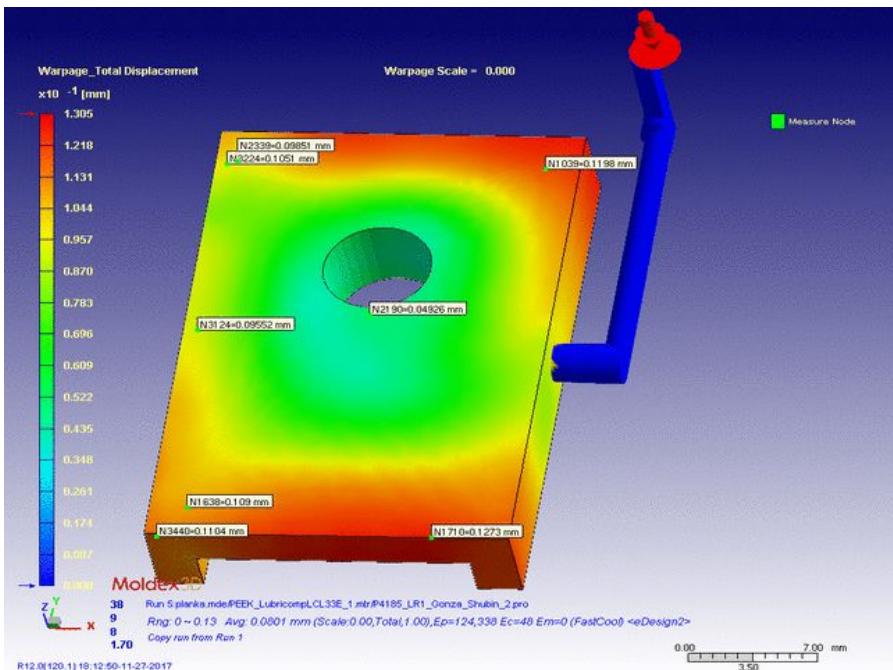
Выдержка



Охлаждение



Коробление





Заключение