

# active heating/cooling

## APPLICATIONS

### When there is a need of

- high gloss
- matt/gloss combination
- getting rid of the paint
- remove weld line (surface aspect)
- remove sink marks
- complex texture replication

### but also to reduce

- the injection molding pressure (very thin parts or large/thin parts)
- the residual stresses (amorphous grades)
- air traps (due to flow leaders, for some designs)
- the cycle time (potentially)
- the warpage by applying a controlled differential cooling

## THEORY, KNOWLEDGE, & MODELS

### Reduction of injection molding pressure - PPSU/PEEK (2024)



### Presentation by Roctool at Moldflow Usergroup (2023)

### General presentation of Roctool (2024)

## CAPABILITIES (internal/external)

|                   |                                                                                                                                            |
|-------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
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