



NEW PP PRODUCT LAUNCH

SABIC® PP FLOWPACT FPC45



CHEMISTRY THAT MATTERS™

SABIC® PP FLOWPACT FPC45 IN A NUTSHELL

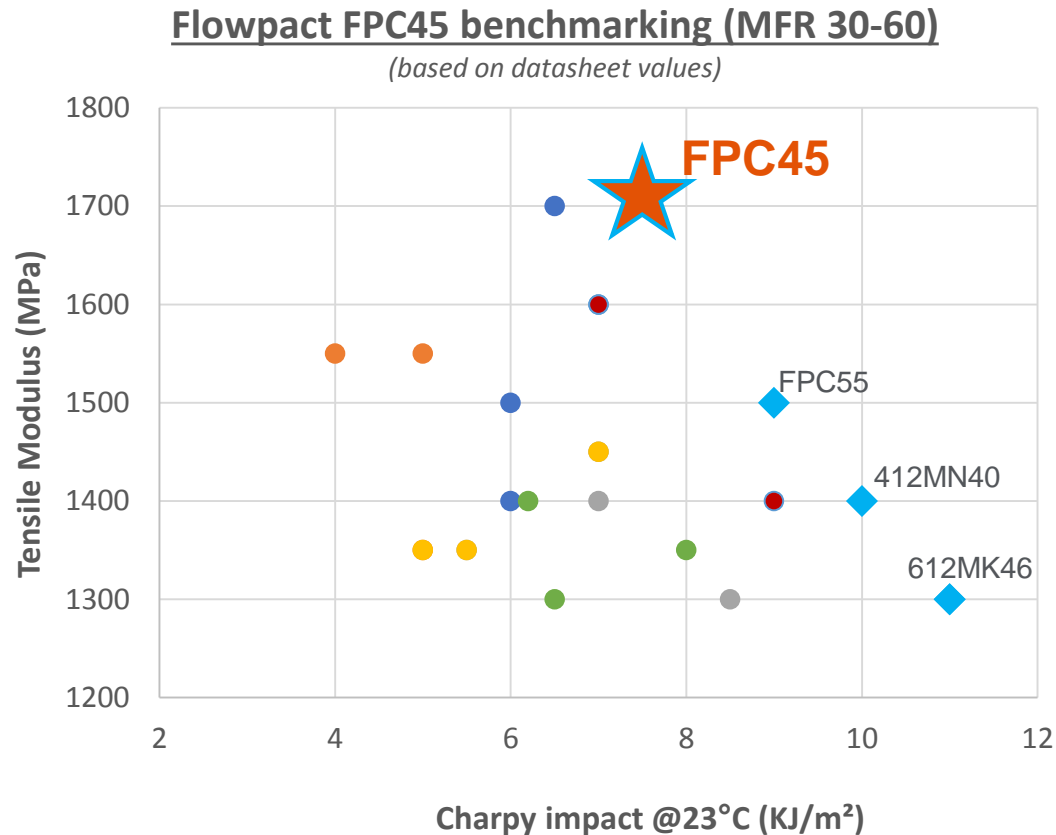
➤ **FPC45** – new member in the **FLOWPACT** family for rigid packaging

➤ **FLOWPACT FPC45 is...** 

- PP impact copolymer (block copolymer)
- MFR = 45 g/10min
- Nucleated and antistatic
- High stiffness
- Good organoleptics
- Potential faster cycle time
- Isotropic performance

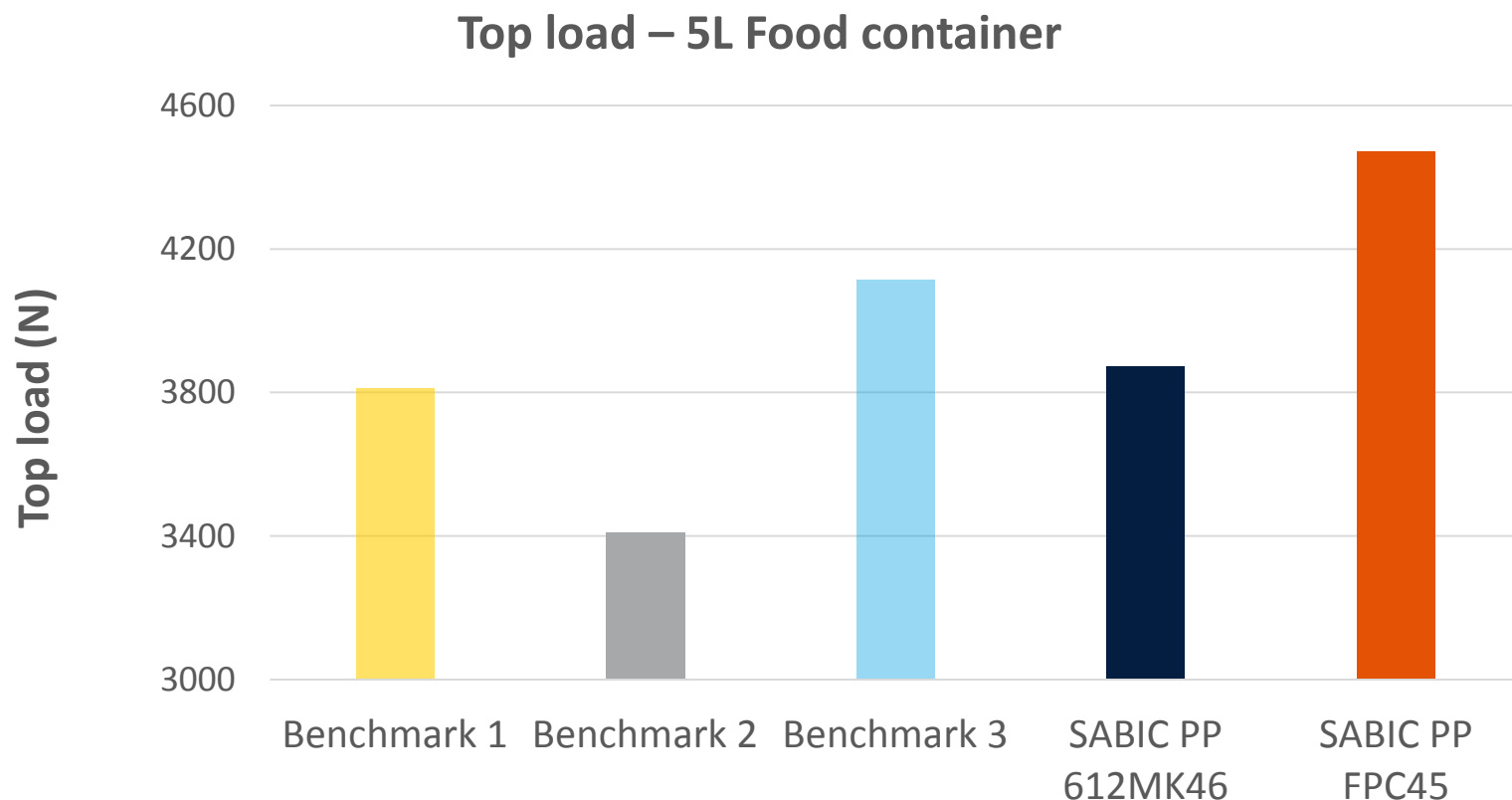


SABIC® PP FLOWPACT FPC45 – BENCHMARKING



- **FLOWPACT FPC45 - good performance vs market references**
- Superior stiffness/impact balance – downgauging possibilities
- Good performance for hot filling applications

SABIC® PP FLOWPACT FPC45 – TOP LOAD

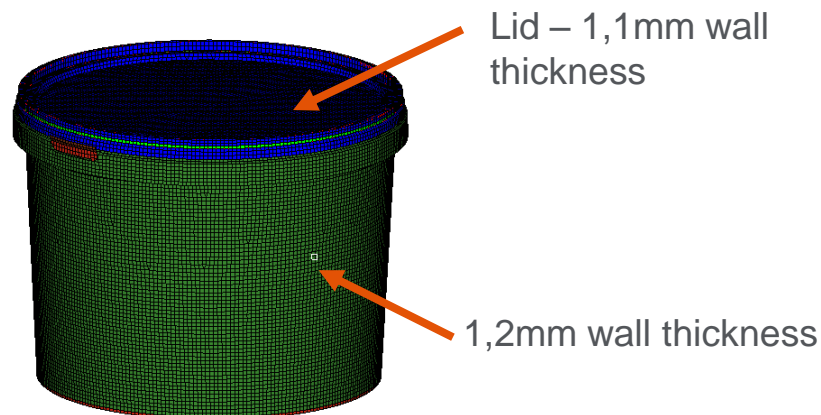


➤ **FLOWPACT FPC45 → Higher top load → potentially higher stackability, that enables more flexibility on transportation and storage!**

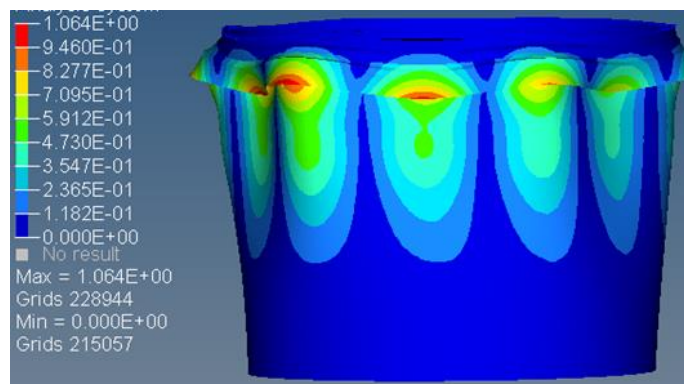
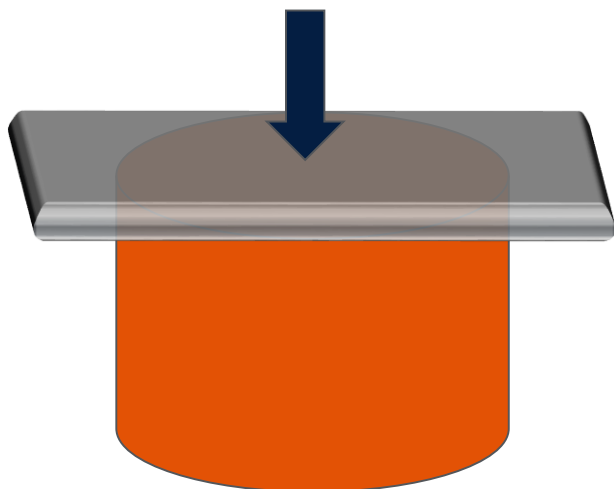
SABIC® PP FLOWPACT FPC45 – TOP LOAD SIMULATION

Top load simulation – linear model

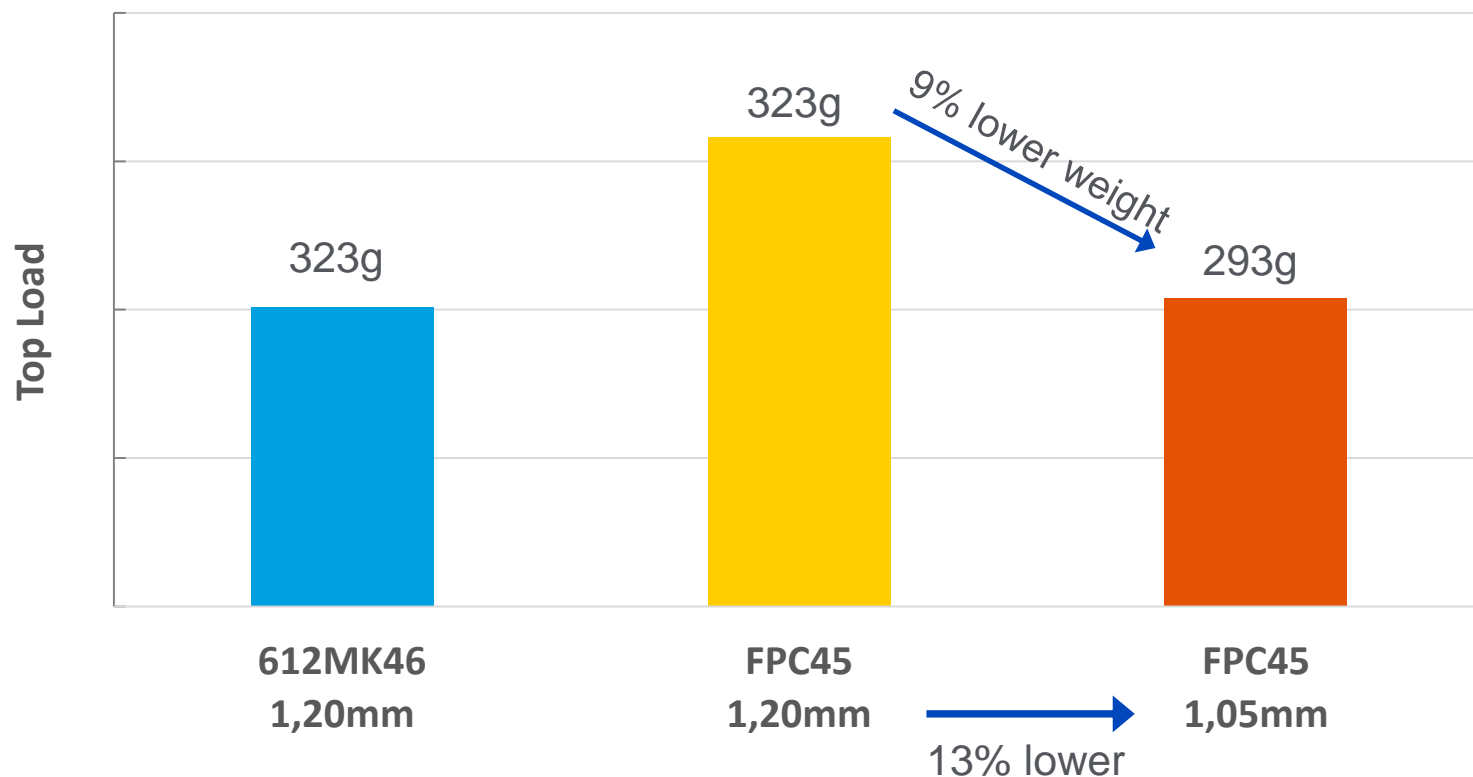
- 10L bucket
- **612MK46** – E-mod: 1.400MPa
- **FPC45** – E-Mod: 1.700MPa



Displacement simulation after top load pressure



SABIC® PP FLOWPACT FPC45 – TOP LOAD SIMULATION



➤ SABIC® PP FLOWPACT FPC45 → higher Top Load → potentially lighter packaging!

SABIC® PP FLOWPACT FPC45

➤ Product features:

- Possibility of less packaging material – *potential thinner walls*
- High stackability (lower transportation/storage cost) – *expected higher top load/stiffness*
- Lower processing cost – *potential shorter cycle times*
- Dimensional stability – *low warpage - same performance in all directions (isotropic)*
- Possible solution for hot fill applications – *expected higher stiffness at higher temperatures*
- Design freedom for packaging – *good mechanical properties balance, potentially allow wider “design window” opportunities*



SABIC® FLOWPACT FPC45 → a solution for rigid packaging!



Thank you!



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