

CHEMISTRY THAT MATTERS™



CLEAN COMPOUND SOLUTIONS (CCS)

LNP™ COMPOUNDS
MARCH 2020

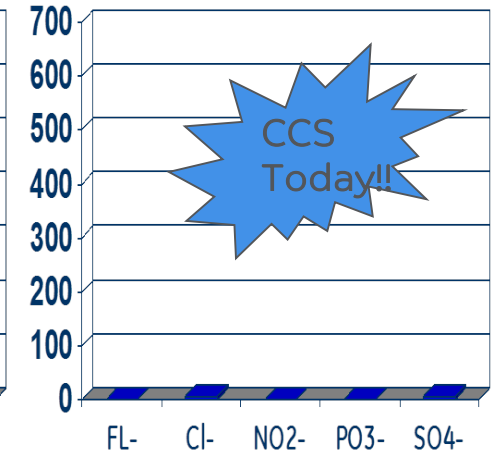
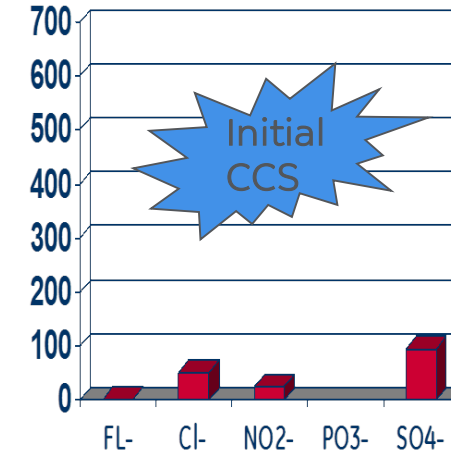
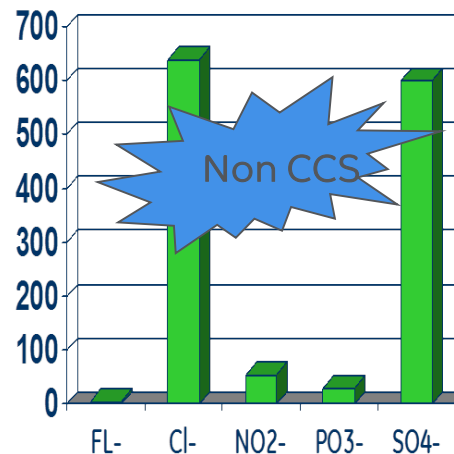


WHAT IS CLEAN COMPOUND SOLUTIONS (CCS)?

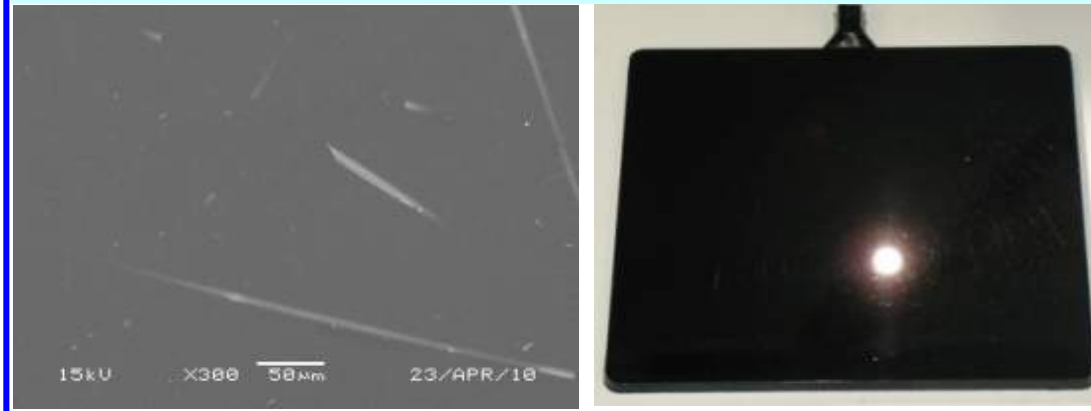
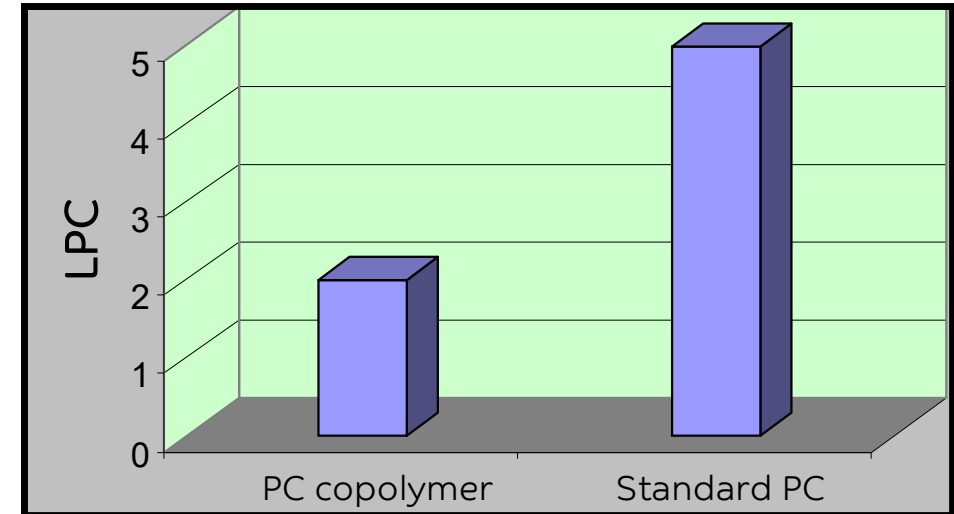
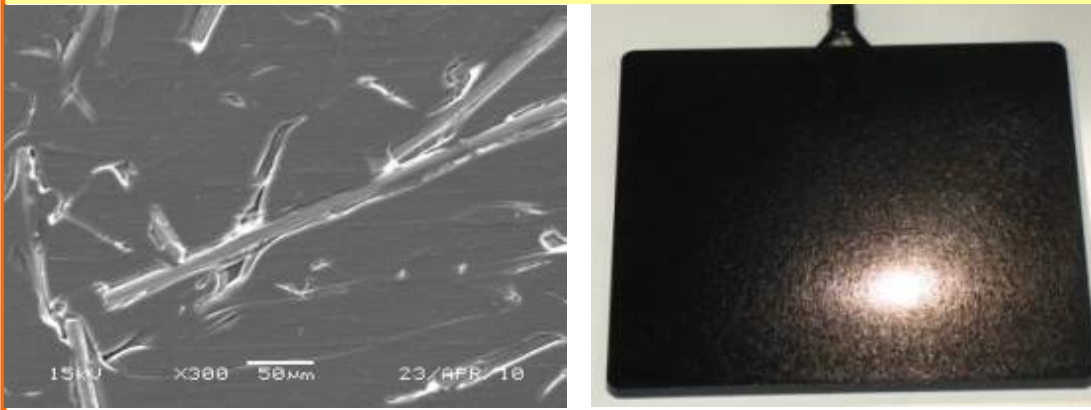
CCS technology offers materials that can minimize organic out-gassing, hydrocarbons, leachable ions (e.g. sulphates, nitrates, chlorides, phosphates) and particulate contaminations.

How?

- ✓ Strict raw material selection
- ✓ Leverage unique SABIC's own base resins
- ✓ Specialized CCS compounding process control
- ✓ CCS packaging
- ✓ CCS molding
- ✓ CCS sampling and testing



UNIQUE BASE RESIN EXAMPLE – PC COPOLYMER FROM SABIC

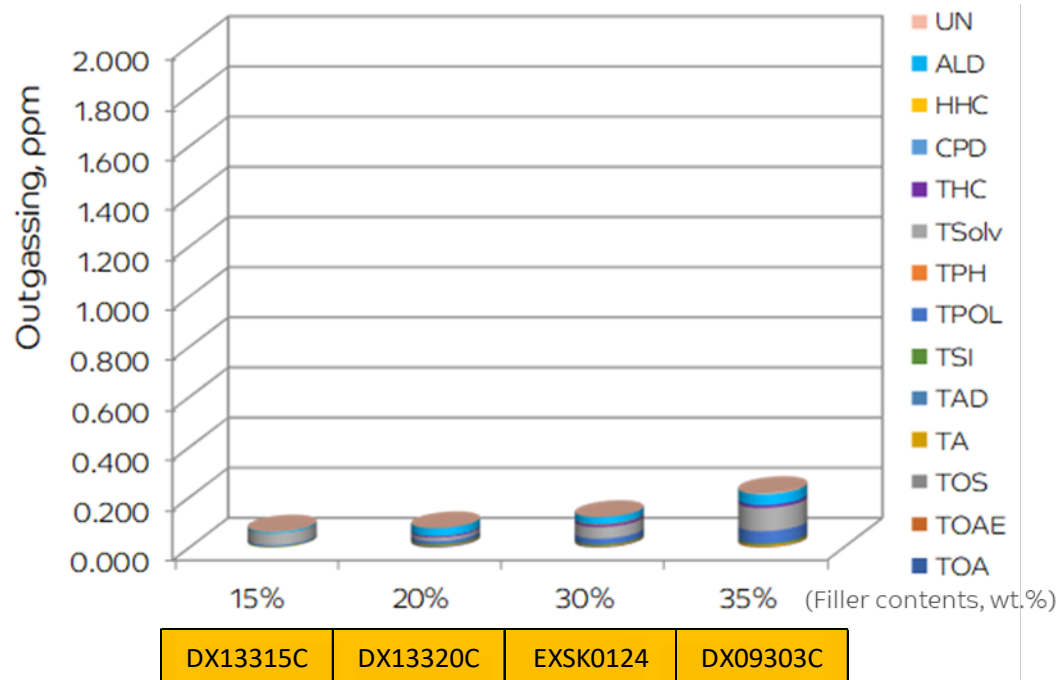
*PC COPOLYMER/30% GLASS FIBER***STANDARD PC/30% GLASS FIBER*

Unique PC copolymer from SABIC offers much better surface quality, high gloss, smooth surface, less fiber floating which can be a benefit for lower Liquid Particle Count (LPC) compared with standard PC.

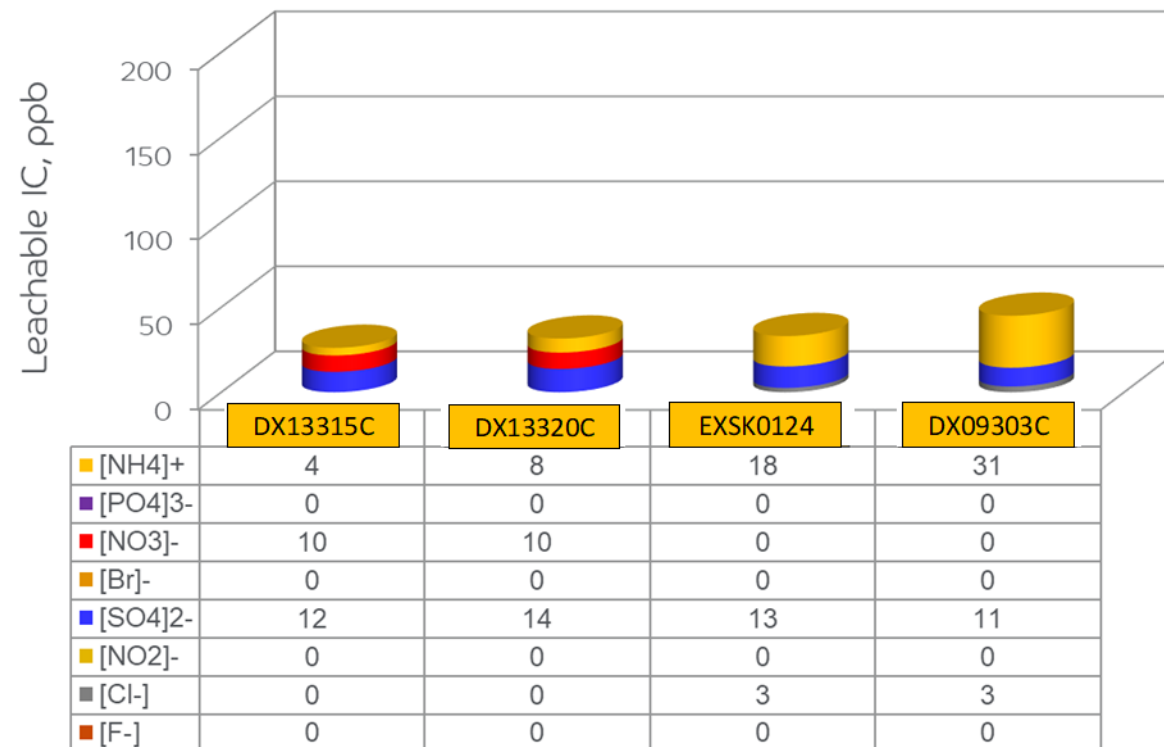
* GF filled products is unavailable in CCS product portfolio. This is just example to show advantage for surface smoothness when using unique PC Copolymer.

CLEANLINESS PERFORMANCE – OUT GASSING, LEACHABLE IONS

Total Outgassing

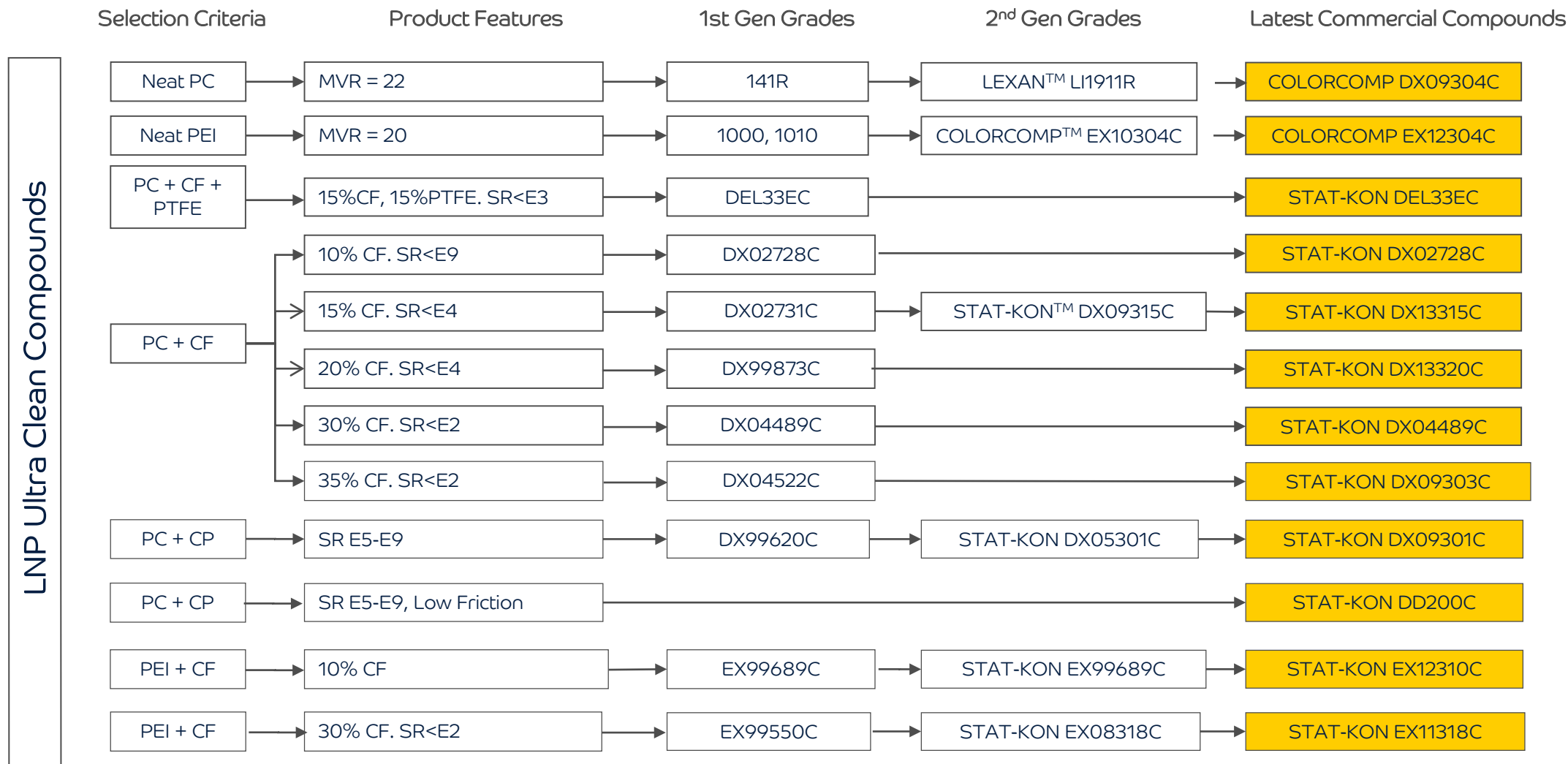


Leachable ions



EXSK0124 is not yet unavailable as commercial grade

LNP™ ULTRA CLEAN COMPOUNDS FOR HDD / SEMICONDUCTOR INDUSTRY





THANK YOU



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