

CHEMISTRY THAT MATTERS™

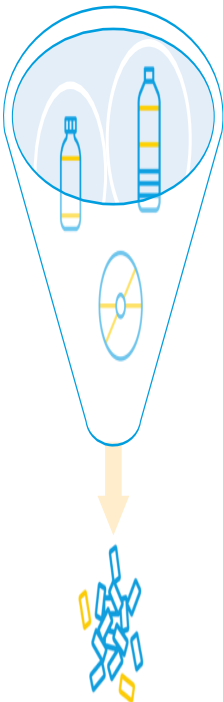


POST CONSUMER RECYCLE SOLUTIONS: MECHANICAL RECYCLING

SEPTEMBER 2020

MECHANICAL RECYCLING

PROCESS



Debris are washed, melted & transformed into raw material for a new process. Focus on responsible sourcing of high-quality waste streams

CERTIFICATION



Third-party certification of PCR content conducted by [SCS Global Services](https://www.scsglobal.com)

VALUE PROPOSITION



21-80% post-consumer recycled content



Meeting RoHS¹ guidelines



Provides CO₂ reduction & waste depletion options



Non-brominated & non-chlorinated flame-retardant systems



Up to 2 extra EPEAT points can be achieved



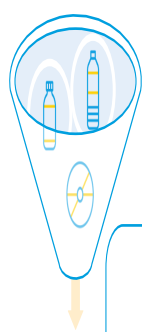
Broad color space, enhanced performance via blending with copolymers



Drop in solution to existing tools

¹ Directives 2011/65/EU, 2015/863/EU, 2017/2102/EU and amendments

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GRADE	LNPTM PRODUCT LINES	FR RATING	PCR CONTENT
D151RC	THERMOCOMP™ compound, 10% GF PC blend, eco FR	V-0 @ 0.6 mm	35%
D251RC	THERMOCOMP™ compound, 20% GF PC blend, eco FR	V-0 @ 0.6 mm	35%
D251RCC*	THERMOCOMP™ compound, 20% GF PC blend, eco FR, improved colorability	V-0 @ 0.6 mm	40%
D351RC	THERMOCOMP™ compound, 30% GF PC blend, eco FR	V-0 @ 0.8 mm	35%
D351RCC*	THERMOCOMP™ compound, 30% GF PC blend, eco FR, improved colorability	V-0 @ 0.8 mm	40%
D451RC	THERMOCOMP™ compound, 40% GF PC blend, eco FR	V-0 @ 0.6 mm	35%
D551RC	THERMOCOMP™ compound, 50% GF PC blend, eco FR	V-0 @ 1.0 mm	30%
DF0036RCC*	THERMOCOMP™ compound, 15% GF PC blend, eco FR, thin wall light blocking	V-0 @ 1.5 mm	50%
DC0041PR	THERMOCOMP™ compound, 20% CF PC blend, eco FR	V-0 @ 0.8 mm	30%
EXL8423RCC*	ELCRIN™ resin, unfilled PC copolymer, improved colorability	HB @ 0.4 mm	20%
EXL8414	LNPTM EXL resin, unfilled PC copolymer	HB @ 0.75 mm	25%
EXL8134	LNPTM EXL resin, unfilled PC copolymer	HB @ 0.75 mm	32%
EXL8543RCC*	ELCRIN™ resin, unfilled PC copolymer, improved colorability	HB @ 0.4 mm	40%
EXL8454	LNPTM EXL resin, unfilled PC copolymer	HB @ 0.75 mm	50%
EXL8483	LNPTM EXL resin, unfilled PC copolymer	HB @ 0.75 mm	80%
EXL8483RCC*	ELCRIN™ EXL resin, unfilled PC copolymer, improved colorability	-	75%
EXL9414TRC*	LNPTM EXL resin, unfilled PC copolymer, eco FR	V-0 @ 1.5 mm	21%
RCM6123	LNPTM PC/ABS compound, eco FR	V-0 @ 1.2 mm	30%
RCM6134	LNPTM PC/ABS compound, GF, eco FR	V-0 @ 1.0 mm	35%
RCM6224	LNPTM PC/ABS compound, eco FR	V-0 @ 1.2 mm	35%
RCX7243*	LNPTM PC impact modified compound, eco FR	V-0 @ 0.75 mm	30%
RCY6113	LNPTM PC/ABS compound, eco FR	V-0 @ 1.5 mm	30%
RCY6214	LNPTM PC/ABS compound, eco FR	V-0 @ 1.5 mm	35%
RCY6713	LNPTM PC/ABS compound, eco FR	V-0 @ 1.5 mm	30%
RBX7245	THERMOTUF™ compound, eco FR	V-0 @ 0.6 mm	50%

*wider color space and improved aesthetics

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