

MICROSOFT OCEAN BOUND PLASTIC SURFACE THUNDERBOLT™4 DOCK

MICROSOFT CORPORATION

DOCK AND POWER SUPPLY ENCLOSURES MADE WITH CERTIFIED CIRCULAR LEXAN™ PC RESIN FROM SABIC'S TRUCIRCLE™ PORTFOLIO

Microsoft Surface Thunderbolt™4 Dock is the first Surface dock & power supply in the consumer electronics market with enclosures (not including AC cable) using polycarbonate derived from advanced recycled ocean bound plastic (OBP) from SABIC's TRUCIRCLE™ portfolio.

It is a versatile USB4®/Thunderbolt™ 4 dock that helps customers to maximize workspace, delivers ultra-high speed data transfer, and has the versatility to connect and charge most important peripherals.

INDUSTRY CHALLENGE

Microsoft's Surface Thunderbolt™4 Dock and power supply unit required a housing material that offered equivalent performance to that of virgin plastic in terms of safety and reliability.

SABIC was able to meet these performance requirements with an ocean-bound resin solution that will help move industry efforts forward to increase recycled content use for plastics.

SABIC SOLUTION

- Dock and power-supply enclosures made with certified circular LEXAN™ flame retardant (FR) polycarbonate resin with 20% mass balance-attributed recycled ocean bound plastic (OBP)
- Application demonstrates feasibility of converting OBP into high-performance material used in consumer electronics, using advanced recycling
- Material offers UL94 V0 flammability and achieves EPEAT eco-labelling goals and is certified circular by ISCC PLUS.



ENHANCED AESTHETICS



CIRCULAR ECONOMY/
CIRCULAR SOLUTIONS



OCEAN BOUND PLASTIC



CONSUMER
ELECTRONICS



[VIEW VIDEO ABOUT OBP](#)

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