

Mobile Phone Mid–Frame

Electronics / Mobile Phones

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Benefits

- Envalior offers a complete range of resins that support the Mobile Phone mid–frame, produced using NMT (nano–molding technology). Due to the roll–out of 5G networks, the mid–frame needs to be more robust. Besides supporting a wider front display glass panel, it holds up a glass or ceramic back panel. To achieve better reliability, metals such as Stainless Steel or even Titanium, that are harder, stronger, and more resilient (cf Al) are being selected. Furthermore, for higher rigidity and impact performance, ForTii and ForTii Ace offer excellent adhesion performances when combined with NMT onto Stainless Steel or Titanium. In addition, due to ForTii and ForTii Ace having a higher thermal stability, finishing processes, such as high temp PVD (physical vapor deposition), it could be considered to achieve a wider aesthetic finishing, that is also more durable.



Details

Achieves high 45 MPa adhesion with appropriate NMT treated stainless steel / titanium surface; Higher thermal stability, which supports higher temp PVD process; High PVD processing can improve throughput ; Greater color selection and better durability of product

Products

ForTii® NMX33
PPA–GF50

Speciality products

ForTii®

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Typical values are indicative only and are not to be construed as being binding specifications. Colorants in the product or other additives may cause significant variations in typical values.

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