

REINFORCING SMART PHONE MIDDLE FRAMES WITH NANO MOLDING TECHNOLOGY

SABIC’s LNP NMT portfolio provides an advanced metal-plastics hybrid solution for the smart phone’s middle frame, combining high stiffness and reliability of metal with geometric design flexibility and radio signal transparency of plastics. The middle frame substrate is the backbone of a smart phone which provides structural support and holds everything together. LNP NMT Solutions can be applied in antenna split of smart phone middle frame.



LNP NMT portfolio enables:

NMT Process Requirements
<p>High Bonding Force</p> <ul style="list-style-type: none"> Compatible with diversified metallic treatment approaches
<p>Good Colour-ability</p> <ul style="list-style-type: none"> Wide color design space with chromatic colour choices
<p>Excellent Chemical Resistance</p> <ul style="list-style-type: none"> Ensure good color stability upon anodization & UV exposure
<p>High Mechanical Properties</p> <ul style="list-style-type: none"> Enhance mechanical reliability
<p>High Flow for Easy Processing</p>

Customized Design Requirements
<p>Low Dk NMT</p> <ul style="list-style-type: none"> Reduce attenuation of electro magnetic waves passing through the framework or antenna split as formed, improving signal quality
<p>High Modulus NMT</p> <ul style="list-style-type: none"> Offer excellent structural support and dimensional stability for products
<p>Sustainability</p> <ul style="list-style-type: none"> SABIC proprietary up cycled iQ PBT based NMT solutions satisfy customers’ sustainability ambitions without any property compromise.

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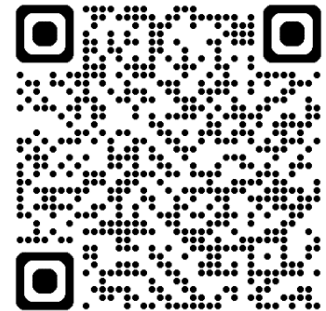
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