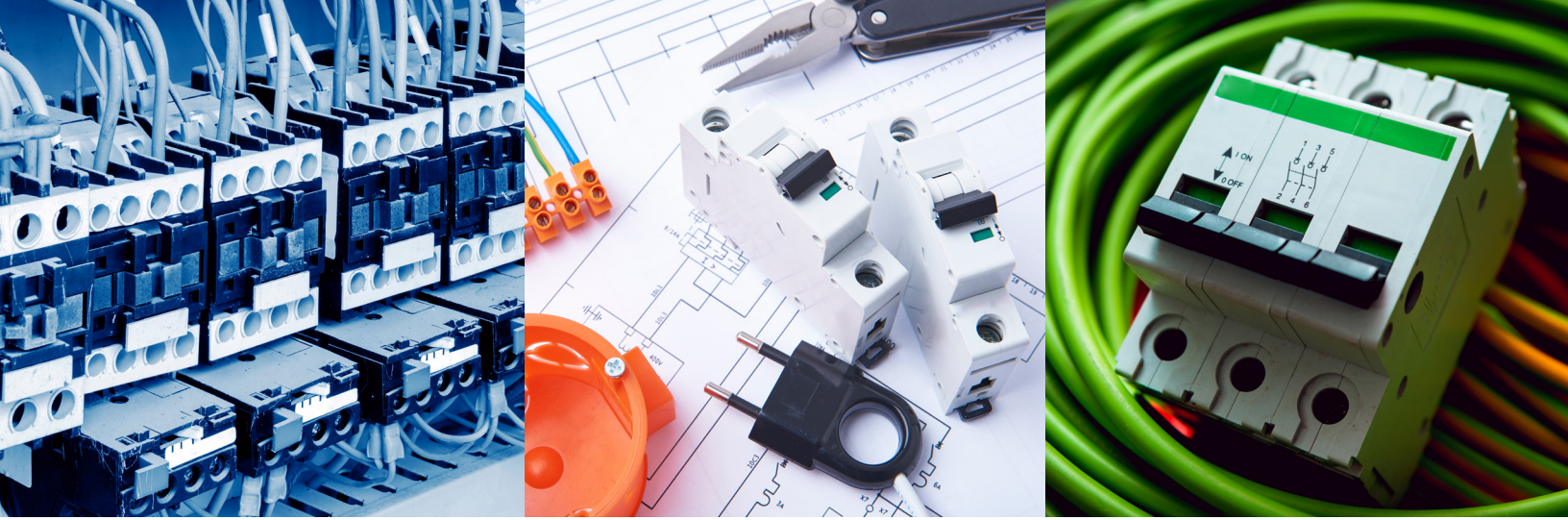


## ELECTRICAL & ELECTRONICS SOLUTIONS

# REDUCE POSSIBILITY OF MOLDED CASE CIRCUIT BREAKER FAILURE WITH TPE PHASE BARRIERS

You need to offer molded case circuit breakers (MCCBs) that will not fail over the duration of their service lives. Using phase barriers made of Avient's OnFlex™ S HF, HF 7001, and Synprene or Synprene™ RT thermoplastic elastomers (TPEs) will help you deliver on that promise. These materials outperform nylon 6 and flexible PVC with better flexibility, lower moisture absorption, better insulation properties, and they are RoHS compliant.

	<b>ONFLEX S HF</b>	<b>ONFLEX S HF &amp; HF 7001</b>	<b>SYNPRENE RT-5180 ROHS NATURAL</b>
<b>Commercial Availability</b>	Asia	Europe	Americas
<b>RoHS Compliant</b>	Yes	Yes	Yes
<b>Color</b>	Natural	Natural	Natural
<b>Hardness</b>	70/80/90 Shore A	50/70/90 Shore A	80 Shore A
<b>Flame Retardant Package</b>	Non-Halogenated	Non-Halogenated	Halogenated
<b>Processing Method</b>	Injection Molding Extrusion	Injection Molding	Injection Molding Extrusion



## HOW PHASE BARRIERS MADE OF AVIENT TPES MAKE THE DIFFERENCE FOR MOLDED CASE CIRCUIT BREAKERS

**Will not fail over the MCCB's expected service life** – Avient materials are flexible, have low moisture absorption, and have the needed dielectric integrity, leading to a more reliable phase barrier. Unlike flexible PVC, which loses flexibility over time, Avient materials do not fail over the MCCB's service life (approximately 10 years).

**Easier to install** – Our TPEs are more flexible than nylon and flexible PVC, which makes the MCCB easier to install, service and inspect.

**Low moisture absorption** – While nylon is water-absorbent and loses dielectric performance in the presence of excessive water, our TPEs exhibit low moisture absorption and maintain the necessary dielectric properties over the MCCB's service life.

**Good insulation between phases** – Our materials deliver dielectric properties better than nylon and equivalent to flexible PVC, helping to prevent arc flash across the phases.

**RoHS compliant** – Avient OnFlex S HF, HF 7001, and Synprene or Synprene RT comply with all relevant regulations including RoHS, and specific grades qualify as UL 94 V-0. In addition, OnFlex S HF, HF 7001, and Synprene or Synprene RT complies with REACH SVHC.

To learn more, please visit [avient.com](http://avient.com)  
or call +1.844.4AVIENT (1.844.428.4368).

[www.avient.com](http://www.avient.com)



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