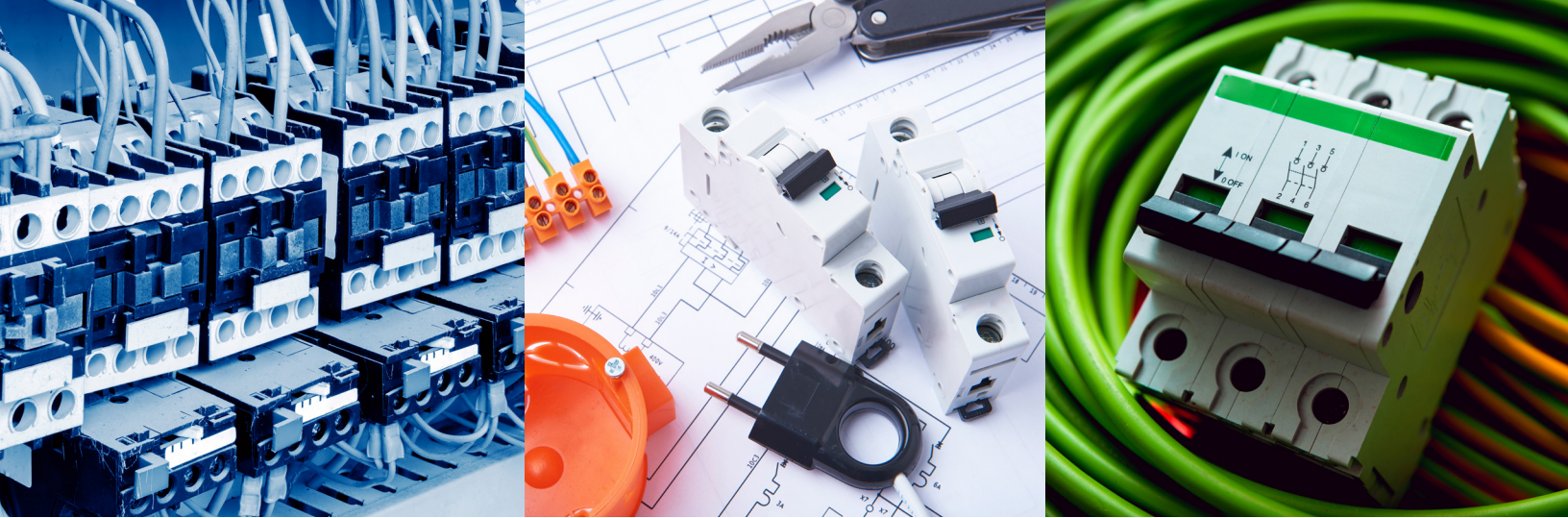


ELECTRICAL & ELECTRONICS SOLUTIONS

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 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.

	ONFLEX S HF 70A-3S1984	ONFLEX S HF 80A-3S1986	ONFLEX S HF 90A-3S1988	ONFLEX S HF 9010	SYNPRENE RT-5180 ROHS NATURAL
Commercial Availability	Asia	Asia	Asia	Europe	Americas
RoHS Compliant	Yes	Yes	Yes	Yes	Yes
Color	Natural	Natural	Natural	Natural	Natural
Hardness	70 Shore A	80 Shore A	90 Shore A	50/70/90 Shore A	80 Shore A
Flame Retardant Package	Non-Halogenated	Non-Halogenated	Non-Halogenated	Non-Halogenated	Halogenated
Processing Method	Injection Molding Extrusion	Injection Molding Extrusion	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 and Synprene RT comply with all relevant regulations including RoHS, and specific grades qualify as UL 94 V-0. In addition, OnFlex S HF complies with REACH SVHC.

To learn more, please visit avient.com
or call +1.844.4AVIENT (1.844.428.4368).

www.avient.com



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