

SABIC SPECIALTIES IMPACT IMPROVED CTI 0 SOLUTION - LNP™ THERMOCOMP™ OFM76XXP COMPOUND

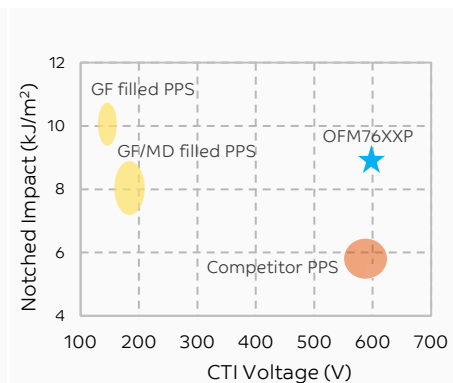
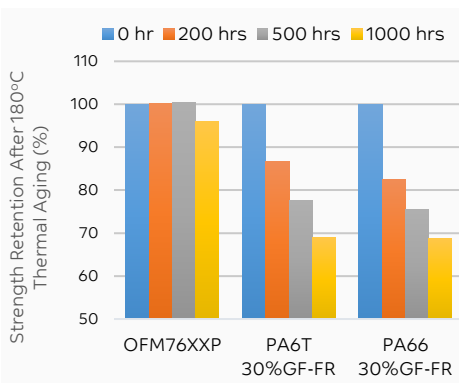
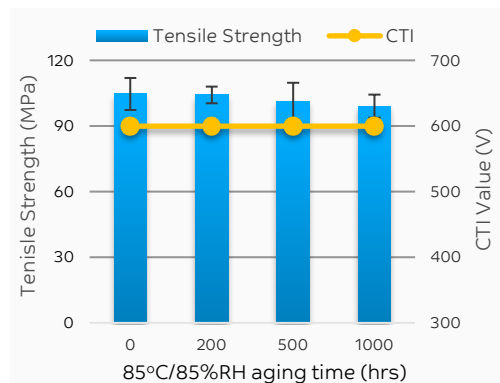
With the booming development of EV, the strong demand of fast charging and high energy efficiency, is affecting the development of EV electrical systems by OEMs. High voltage technology has become the mainstream trend in the industry. SABIC Specialties launches LNP THERMOCOMP OFM76XXP compound to match the trend of higher voltage, lightweight, and integrated design in EV market.

LNP THERMOCOMP OFM76XXP compound, is a PPS-based solution with good high temperature resistance and stable resistance to relative leakage and tracking (CTI PLC0). In the meanwhile, impact modified feature is also included to leverage the ductility.

Key Performance

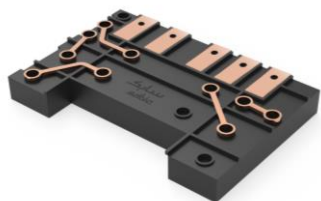
Item	Test	Unit	Data
Tensile Modulus	ASTM D638	MPa	16800
Tensile Stress	ASTM D638	MPa	103
Izod Impact	ASTM D256	J/m	84
CTI	UL 746A	--	PLC-0
HDT 0.45 MPa	ISO 75	°C	273
Flame	UL94	mm	≥0.4
Thermal Conductivity	ASTM E1461-07	W/m-K	0.8 (through-plane) 1.5 (in-plane)

LNP THERMOCOMP OFM76XXP compound indicates solid and stable retention after thermal aging.



* Tested in SABIC Lab, for more information, please contact your local business manager

LNP THERMOCOMP OFM76XXP compound is an excellent candidate for the components with high electrical insulation and high temperature resistance requirements, especially for automotive and industrial insulation components, such as power semiconductors, integrated busbars, high-voltage component plastic packaging, integrated battery module, internal insulation components of high-voltage distribution, and e-drive controllers.



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