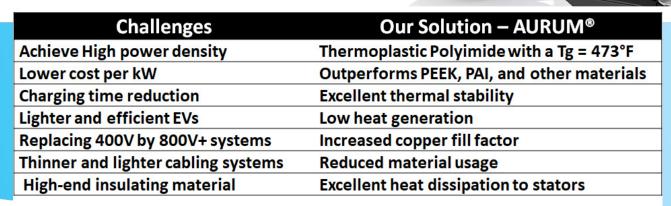




INSULATION COATING OF MAGNET WIRES

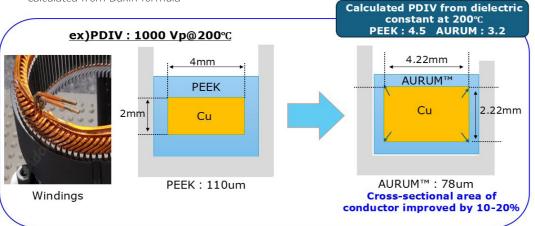
For Motors Running at High-temperatures



Property		Unit	AURUM™ PL450C	PEEK 450G	PAI Catalog Data	Ероху
Coating Process			Extrusion	Extrusion	Dipping	Dipping
Tg/Tm		°C	245/388	143/343	275 / -	~200 / -
Breakdown Voltage	23°C	kV/mm	28	21	24	-
	180°C		36	23	-	-
Dielectric Constant	1kHz,		3.3	3.2	4.0~4.6	3.4~4.4 (1GHz)
	200°C		3.2 (1.0kHz)	4.5 (50kHz)	4.2 (1.5kHz)	-
PDIV* 100umt, 200°C		Vp	(1,100)**	(960)**	(990)**	-



25% thinner thickness or 15% high voltage



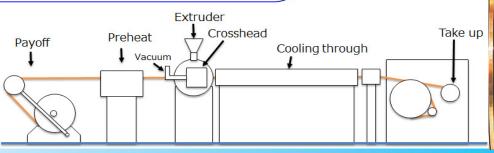
HIGH DIELECTRIC STENGTH LOW DIELECTRIC CONSTANT

HIGH ELASTICITY LOW SHRINKAGE FACTOR

HIGH PV LEVEL RESISTANCE LOW WEAR FACTOR

AURUM EXTRUSION COATING PROCESS -*Recommendation





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^{*} Partial discharge inception voltage **Calculated from Dakin formula