Genestar™

Your Ideal Choice for SMT Connectors

GENESTAR[™] is a brand name of heat resistant polyamide developed by Kuraray. GENESTAR[™] PA9T series in that brand is a well-balanced long-chain polyphthalamide (PPA) that combines low water absorption and high mechanical properties over a broad temperature range.

Functionalities in electronic applications (smartphones, laptops) increase and therefore the number of chips and connectors is expected to increase. However, as the megatrend to downsize as well as packing more subsystems into the smaller parts, it is challenging for designers to fit all these chips and connectors in.

A similar trend can be applied to automotive applications. Due to electrification and lightweight, the trend is to move to surface mounting technology(SMT) and downsize parts while maintaining safety of the connectors.

GENESTAR™ PA9T offers the following advantages (not limited to), while still maintaining safety requirements for the parts:

Mechanical integrity over a wide range of temperature and humidity

C in water, balance

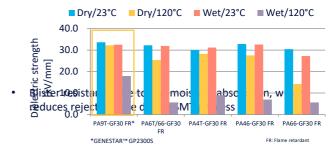
40 Possibility applight weight she to the reduction of creenage

distance to design smalleperature (tors) while maintaining

Voltage (V)	Material group	Material		
>600	I	PPA	ł	PA9
400-599	п	PPS		PA6
175-399	IIIa			PA4
100-174	Шb	PPS, LCP	sti re:	PA9
which pr	ovidesenne	we safety	ma	PA4

UL94 VO grace of the retardant

	Material	Voltage(V)
	PA9T-GF45 FR(*1)	950
	PA6T/66-GF30 FR	825
	PA4T-GF30 FR	750
st re	PA9T-GF35(*2)	775
y m	DAAT GERO	600
	PA6T/XT-GF35	600



	ReflowPeak temp. (°C)	230	240	250	260	265
	PA9T*	ОК	ОК	ОК	ОК	ОК
lf tł	1 41	ОК	ОК	NG	NG	NG
the	PA6T/XT	ОК	NG	NG	NG	NG
Kur	PA46	NG	NG	NG	NG	NG

Prius Platinum, 2nd Floor B Wing, Rear Side,

*GENESTAR[™] GN2330

D3 District Centre, Saket New Delhi-110017, India Tel +91 120 6923800.

Email: genestar.in@kuraray.com

Website: www.genestar.kuraray.com/en/

Material's comparative tracking index (CTI)





PA9T PA66 PA46 PA6T/66

kura

(red W) snjip snjip so Stable orang

ช[ั]่dentificatio

safety

10,000

GENESTAR^{TV} is a trademark or registered trademark of Kuraray Co., Ltd. Trademarks may not be applied for or registered in all countries. The information, recommendations and details given in this document have been compiled with care and to our best knowledge and belief. They do not entail an assurance of properties above and beyond the product specification. The user of our products is responsible for ensuring that the product is suitable for the intended use and conforms to all relevant regulations. Kuraray Co., Ltd. and its affiliates do not accept any guarantee or liability for any errors, inaccuracies or omissions in this document.