

Technical Literature B-01

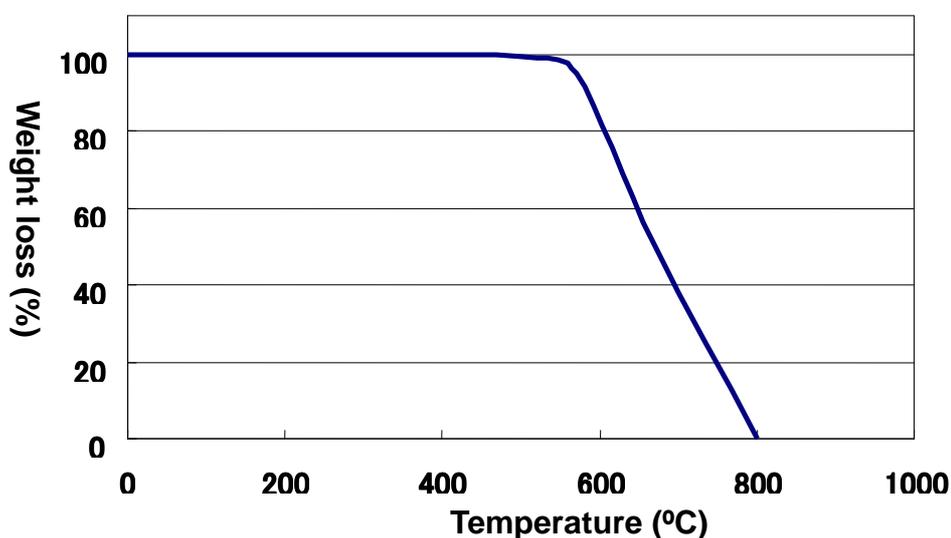
Thermal Decomposition Properties of AURUM[®]

AURUM[®] is very thermally stable, showing the thermal decomposition properties that are better than those of PEEK, a representative high-performance resin. A thermal decomposition curve (DTG) is shown in Fig. 1.

In a short time, AURUM[®] suffers little or no weight loss up to a temperature level of approximately 500°C - 1% weight loss (Td1) at 520°C and 5% weight loss (Td5) at 570°C - exhibiting the best thermal decomposition properties out of all heat resistant resins.

	(°C)		
	Td1	Td5	Td50
AURUM [®]	520	570	670
PEEK	480	520	610

Fig. 1 Thermal Decomposition Curve of AURUM[®]



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