高耐熱性低誘電PAEKモノマー

開発品

High Heat-Resistant PAEK Monomers for Low Dielectric Materials

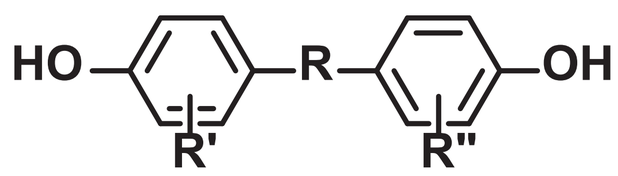
低誘電向け材料として弊社の高耐熱性ポリアリールエーテルケトン（PAEK）モノマー用ビスフェノールをご提案します。

We recommend our bisphenol for high heat-resistant Polyaryletherketone (PAEK) monomers as low dielectric materials.

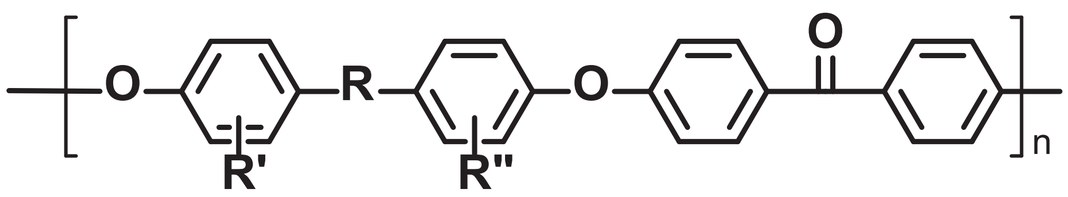
製品紹介　Product introduction

ビスフェノールおよび PAEK オリゴマーでの提供が可能です。
Bisphenol and PAEK oligomers are available.

ビスフェノール
Bisphenol



オリゴマー
Oligomer



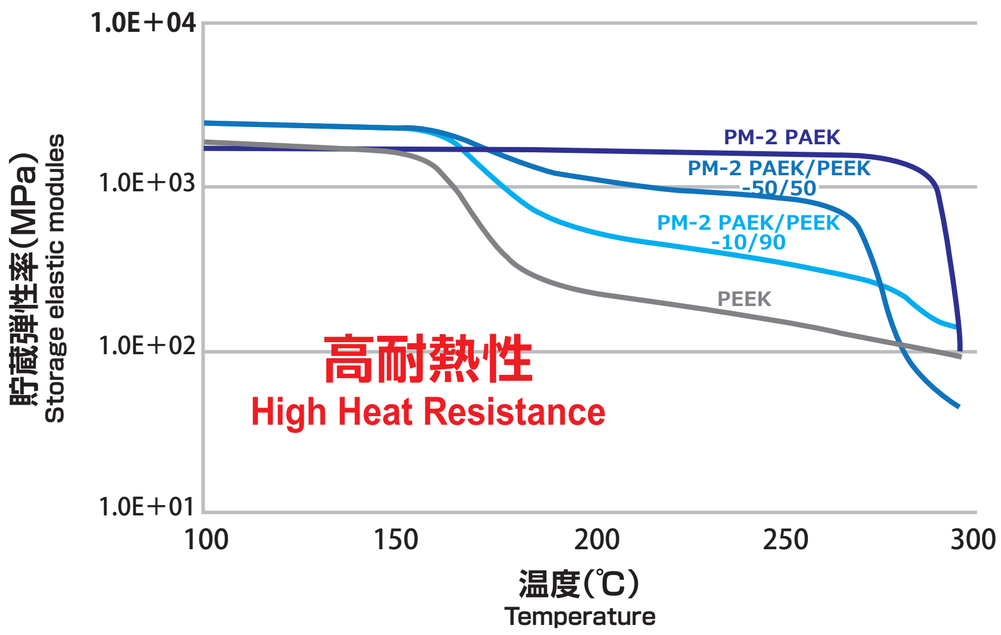
低Dk&低Df
Low Dk & Low Df

高耐熱性
High Heat Resistance

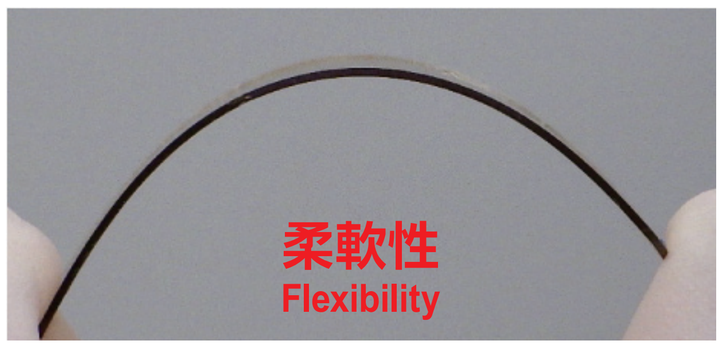
柔軟性
Flexibility

名 称 Name	誘電率(Dk) @10GHz	誘電正接(Df) @10GHz	ガラス転移点 (Tg)	含水率 (25℃、24H)	特 徴 Features
PEEK リファレンス(reference)	3.2	0.0032	143℃	0.46%	
PM-1 PAEK	2.7	0.0035	243℃	0.06%	低Dk、Df & 低含水率 Low Dk, Df & Low moisture content
PM-2 PAEK	2.9	0.0060	286℃	0.53%	高い耐熱性 High Heat Resistance
PM-4 PAEK	2.9	0.0032	173℃	0.38%	低Dk、Df & 柔軟性 Low Dk, Df & Flexibility

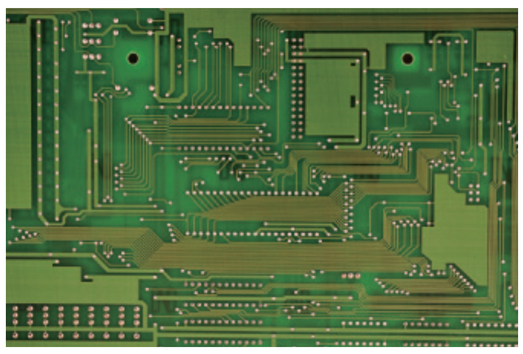
●PM-2 PAEK/PEEK混練品のDMA曲線
DMA thermogram of PM-2 PAEK/PEEK blends



●PM-4 PAEK成形品の外観
Appearance of molded PM-4 PAEK



用途例　Possible applications



積層板
Printed circuit boards

炭素繊維複合材
Carbon fiber reinforced plastics