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HIGH BR CONTENT EPOXY OLIGOMER EPOXY RESIN BEB6000

BEB6000 is an advanced high Br content oligomer epoxy resins which are accomplished by the reaction of di-glycigy ether of TBBA and TBBA, two end groups are epoxide.

BEB6000 could be mixed with PBT, PET...thermoplastic resin. BEB6000 series has better thermal stability than TBBA powder. It could be reacted with amine, amide, carboxylic acid, inorganic acid, anhydride, etc. functional group which other materials contained, the cured products will give superior physical properties, excellent adhesion, good chemical resistance, dimension stability and better elevated temperature performance than conventional additives of flame retardant and TBBA powder.

1. Property:

Item	Unit	Test Method	Typical Data*
Color	Alpha	ASTM D1544(10%,THF)	65
Softening Point	°C	ASTM D 3104(Metrohm)	195
EEW	g/eq	ASTM D1652	6000
Br content	wt%	CCP Method	52.5
Mw	-	CCP Method	15500
Moisture	wt%	Karl Fisher	0.2
TBBA Residue	ppm	GC/MS	≤ 10

*Typical data is just for the reference not the specification

2. Thermal Stability:

Weight loss(wt%)	BEB6000	TBBA
0.3%	315°C	< 200°C
0.5%	330°C	< 200°C
1%	340°C	210°C
5%	350°C	245°C

3. Storage

Store in a dry, cool, ventilated area and keep contained tightly closed.

Disclaimer: The information provided above reflects our present knowledge and refers to the regulations and the products at the date of issuance. This information may no longer be valid when there is a regulatory or product change, and it will be the responsibility of the recipient to request latest update from CCP Group regarding their product. CCP Group makes no warranties, express or implied, and assumes no liability in connection with any use of this information.