

缩水甘油POSS笼状混合物 EP0409

产品名称	缩水甘油POSS笼状混合物 EP0409
公司名称	长沙巴溪仪器有限公司
价格	1200.00/瓶
规格参数	100g/瓶:100 25g/瓶:100 1kg/瓶:100
公司地址	长沙市芙蓉区远大一路408号中栋406房
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产品详情

EP0409 is a hybrid molecule with an inorganic silsesquioxane at the core and organic glycidyl groups attached at the corners of the cage. EP0409 serves as a high temperature reactive diluent in both aromatic and aliphatic epoxy resin and will increase rubbery plateau modulus. POSS molecules also have robust resistance to environmental degradation such as moisture, oxidation, corrosion and UV radiation. EP0409 is also excellent at dispersing silica particles.

Key Properties
Formula Weight: 1337.88
Epoxy Equivalent Weight: 167
Appearance: Clear, pale yellow, viscous liquid
Viscosity: 48 poise
Thermal Stability (5% wt loss): 365°C
Solvent Solubility: THF, chloroform, toluene
Solvent Insolubility: water, hexane
Resin Solubility: aromatic and aliphatic epoxy resins

Relevant Literature
Lower residual thermal stress in composites JAPS:B 46 (2008) 2719-2732
Sun protection in greenhouse covers Adv. Mat. Res. Vols.113-114 (2010) 2077-2080
Reduced degradation of polyoxymethylene Polymer Composites, Vol. 32, (2011) 1584-1592
Room temperature VARTM for marine composites Polymer Preprints 2008, 49(1), 44

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CAS: 68611-45-0