

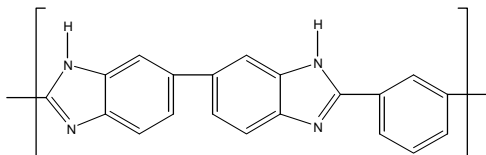
## Polybenzimidazole (PBI) 1.1 IV Powder

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PBI Performance Products' 1.1 IV PBI powder is a narrow range high molecular weight powdered polybenzimidazole designed for producing high strength films for application in Membrane Electrode Assemblies for Fuel Cells, Flow Batteries, and Hydrogen Pumps.

These powders can be dissolved into highly polar solvents such as Dimethylacetamide (DMAc) or N-Methylpyrrolidone (NMP) or strong acids such as Sulfuric or Hydrochloric.

Chemical structure of coarse PBI powders:



Poly-2,2'-(m-phenylene)-5,5'-bibenzimidazole

### Typical Properties of coarse PBI Powders

Repeating unit MW (g/mole)	308
Chain Weight Avg MW (1.1 IV)	60,000
Glass Transition Temp (Tg) (C)	427
Color	Golden