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Xylene

Xylene is basically a benzene ring (6 carbon ring) with two methyl groups attached in various positions. Depending on where these carbon groups are attached determines whether you have an ortho (1,2), meta (1,3) or para (1,4) xylene. In addition, a xylene mixture of ortho, meta and para isomers is often referred to as "Xylenes" or "Xylol".

Xylene is derived from crude oil, and because of its benzene ring structure, it is mainly produced as a co-product of benzene/toluene in the BTX process.

Downstream materials of Xylene include:

- a. Resins
 - i. Polyester (p-xylene)
 - ii. Terphthalic Acid/Dimethyl terephthalate (p-xylene)
 - 1. Polyethylene Terephthalate Resins (PET)
 - 2. Bottles and packaging**
 - iii. Phthalic anhydride (o-xylene)
- b. Solvent
 - i. Histology**
 - ii. Fuel (aviation and high performance)
 - iii. Inhalers
 - iv. Pesticides
 - v. Printing