

Book on Petroleum & Petroleum Products Technology

Description:

Book on Petroleum & Petroleum Products Technology (Thermal Cracking of Pure Saturated Hydrocarbons, Petroleum Asphalts, Refinery Products, Blending and Compounding, Oil Refining and Residual Fuel Oils)

Petroleum products are materials derived from crude oil (petroleum) as it is processed in oil refineries. Unlike petrochemicals, which are a collection of well-defined usually pure chemical compounds, petroleum products are complex mixtures. The majority of petroleum is converted to petroleum products, which includes several classes of fuels.

Petroleum asphalt is a sticky, black and highly viscous liquid or semi-solid that is present in most petroleum crude oils and in some natural deposits. Petroleum crude oil is a complex mixture of a great many different hydrocarbons. Petroleum asphalt is defined as that part of crude oil which is separated from the higher-boiling hydrocarbons in crude oil by precipitation upon the addition of lower-boiling hydrocarbon solvents such as propane, pentane and hexane or petroleum asphalt. The precipitated material consists of asphaltenes which have an average molecular weight of about (800 - 2500 g/mole) and exist in the form of flat sheets of polyaromatic condensed rings with short aliphatic chains.

For more details download PDF file.

Keywords: #Petroleum_&_Petroleum_Products, #Petroleum_Product, #Production_of_Petroleum_Products, Handbook of Petroleum Product, Petroleum & Petroleum Products Technology, #Petroleum_and_Its_Products, #Manufacturing_of_Petroleum_Products, Petroleum Fuels Manufacturing, Products Made from Petroleum, Petroleum Products Manufacturing, Manufacture of Petroleum Products, #Production_of_Petroleum_and_Petroleum_Products, Petroleum Manufacturing Handbook, Petroleum Products and by Products, #Petroleum_Books, Best

Created At: 14 Jun, 2019