



CENTROPHEN

PPE

High resistance to hydrolysis and impact resistance

Polyphenyle ether is obtained from 2,6 dimethyl phenol and was previously known on the market under the name polyphenylene oxides (PPO).

They characterise themselves through high heat distortion resistance, excellent dimensional stability and very low water absorbency. With a density of 1.06 g/cm³, Polyphenylene-ether ranks

among the lightest engineered plastics and are applicable within a wide temperature range; mainly in electric engineering.

MATERIAL PROPERTIES

Water absorption:	less good
Strength, Hardness, Toughness:	good
Temperature for usage in air:	good
Dimensional stability, Heat distortion temperature:	good
Bond-, Weld- and Machinability:	good
Acid and Chemical resistance:	less good

PRODUCT INFORMATION

Designation:	Polyphenylene ether
Other names:	Polyphenylenoxide (PPO)
Abbreviation ISO 1043:	PPE
CAS-Number:	25134-01-4
Type of polymer:	Thermoplastic
Molecular Shapeula:	C ₈ H ₈ O



FIELD OF APPLICATION

› Electronic housings › Fittings

MODIFICATIONS

› PPE › PPE GF 30