



# Petrochemical industry conversions

	Ton of feedstock required for 1 ton product		Ton of feedstock required for 1 ton product
Acetic Acid to: Vinyl Acetate Monomer (VAM)	0.73	2-ethylhexanol (2-EH) to: Diocetyl Phthalate (DOP)	0.69
Acetone to: Bisphenol-A (BPA)	0.29	Methanol to: Acetic Acid (AA)	0.53
Acrylonitrile to: Acrylonitrile-Butadiene-Styrene (ABS)	0.25	Methyl Tert-Butyl Ether (MTBE)	0.37
Ammonia to: Caprolactam	0.90	Orthoxylene to: Phthalic Anhydride (PA)	0.96
Benzene to: Cumene	0.70	Paraxylene to: Purified Terephthalic Acid (PTA)	0.66
Cyclohexane	0.94	Phthalic Anhydride to: Diocetyl Phthalate (DOP)	0.39
Ethylbenzene (EB)	0.76	Propylene to: Acrylonitrile (ACN)	1.10
Styrene	0.79	Cumene	0.36
Butadiene to: Acrylonitrile-Butadiene-Styrene (ABS)	0.18	2-ethylhexanol (2-EH)	0.80
Chlorine to: Ethylene Dichloride (EDC)	0.74	Polypropylene (PP)	1.02
Cumene to: Phenol	1.35	Purified Terephthalic Acid (PTA) to: Polyethylene Terephthalate (PET)	0.86
Acetone	2.25	Monoethylene Glycol (MEG) to: Polyethylene Terephthalate (PET)	0.35
Cyclohexane to: Caprolactam	1.03	Styrene to: Acrylonitrile-Butadiene-Styrene (ABS)	0.58
Ethylene Dichloride (EDC) to: Vinyl Chloride Monomer (VCM)	1.62	General Purpose Polystyrene (GPPS)	1.00
Ethylbenzene (EB) to: Styrene	1.08	High Impact Polystyrene (HIPS)	0.95
Ethylene to: Ethylbenzene (EB)	0.26	Toluene to: Benzene	1.25
Ethylene Dichloride (EDC)	0.29	Vinyl Chloride Monomer (VCM) to: Polyvinyl Chloride (PVC)	1.03
Monoethylene Glycol (MEG)	0.60		
High Density Polyethylene (HDPE)	1.05		
Low Density Polyethylene (LDPE)	1.03		
Styrene	0.29		
Vinyl Acetate Monomer (VAM)	0.32		
Vinyl Chloride Monomer (VCM)	0.49		

Product	Standard unit	Multiply (for \$/mt)	Product	Standard unit	Multiply (for \$/mt)
2-ethylhexanol (2-EH)	¢/lb	22.04	Normal Butane	¢/gal	4.53
Acetic Acid	¢/lb	22.04	Orthoxylene	¢/lb	22.04
Acrylonitrile	¢/lb	22.04	Paraxylene	¢/lb	22.04
Benzene	¢/gal	2.99	Phthalic Anhydride	¢/lb	22.04
Butadiene	¢/lb	22.04	Propane	¢/gal	5.21
Butanols	¢/lb	22.04	Propylene Chem Grade	¢/lb	22.04
Cumene	¢/lb	22.04	Propylene Poly Grade	¢/lb	22.04
Dioctyl Phthalate (DOP)	¢/lb	22.04	Propylene Ref Grade	¢/lb	22.04
Ethane	¢/gal	7.42	Solvent Xylene	¢/gal	3.03
Ethylene	¢/lb	22.04	Styrene	¢/lb	22.04
Ethylene Glycol	¢/lb	22.04	Toluene Comm	¢/gal	3.04
Hexane	¢/gal	3.92	Toluene Nitn	¢/gal	3.04
Isobutane	¢/gal	4.69	Vinyl Acetate Monomer (VAM)	¢/lb	22.04
Methanol	¢/gal	3.33	Vinyl Chloride Monomer (VCM)	¢/lb	22.04
Methyl Tert-Butyl Ether (MTBE)	¢/gal	3.55	Virgin Xylene	¢/gal	3.03
Natural Gasoline	¢/gal	3.97			

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