

Materials List for:

Ethylene Polymerizations Using Parallel Pressure Reactors and a Kinetic Analysis of Chain Transfer Polymerization

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Materials

Name	Company	Catalog Number	Comments
Endeavor Pressure Reactor	Biotage	EDV-1N-L	
Blade Impellers	Biotage	900543	
Glass Liners	Biotage	900676	
2,3-butanedione, 99%	Alfa Aesar	A14217	
2,6-dimethylaniline, 99%	Sigma Aldrich	D146005	
formic acid, 95%	Sigma Aldrich	F0507	
methanol, 99.8%	Sigma Aldrich	179337	ACS Reagent
nickel (II) bromide, 99%	Strem	28-1140	anhydrous, hygroscopic
triethylorthoformate, 98%	Sigma Aldrich	304050	dried with K ₂ CO ₃ and distilled
1,2-dimethoxyethane, 99.5%	Sigma Aldrich	259527	dried with Na/Benzophenone and distilled
pentane, 99%	Fisher	P399	HPLC Grade *
dichloromethane, 99.5%	Fisher	D37	ACS Reagent *
toluene, 99.8%	Fisher	T290	HPLC Grade *
methylaluminoxane	Albemarle	MAO	pyrophoric, 30% in toluene
diethylzinc, 95%	Strem	93-3030	pyrophoric
1,2,4-trichlorobenzene, 99%	Sigma Aldrich	296104	
1,1,2,2-tetrachloroethane-D ₂ , 99.6%	Cambridge Isotopes	DLM-35	