

# Literature MW and Tg Values for Select Lignins

Molecular weight properties and glass transition temperatures of selected lignins

Isolation Method Species	Mw (g/mol)	Polydispersity	Tg (°C)*
Milled Wood Pine	11,400	8.8	160
Milled Wood Alder	7,000	6.4	110-130
Kraft Pine	4,300	3.3	169
Kraft Hardwood Mix	3,000	2.9	
Lignosulfonate Mix	1,000-10,000	6-8	
Organosolv Pine	1,400	2.8	91
Organosolv Aspen	2,100	3.5	97
Acid Hydrolysis Pine	40,000	50	96
Acid Hydrolysis Aspen	10,100	15.3	95
Steam Explosion Aspen	2,300	2.9	139

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