

Materials List for:

The Effect of Construction and Demolition Waste Plastic Fractions on Wood-Polymer Composite Properties

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Materials

Name	Company	Catalog Number	Comments
Agglomeration	Plasmec	TRL100/FV/W	apparatus of turbomixer
Agglomeration	Plasmec	RFV 200	apparatus of cooler
CNC router	Recontech	F2 - 1325 C	CNC machine
Condition chamber	Memmert	HPP260	constant climate chamber
Coupling agent	DuPont	Fusabond E226	commercial coupling agent additive
Crusher 1 (crusher/shredder)	Untha	Untha LR 630	10-20 mm sieve
Crusher 2 (low-speed crusher)	Shini	Shini SG-1635N-CE	5 mm sieve, granulator
Extruder	Weber	Weber CE 7.2	conical counter-rotating twin-screw
Lubricant	Struktol	TPW 113	commercial lubricant additive
NIR spectroscopy	Thermo Fisher Scientific	Thermo Scientific microPHAZIR PC	
Recycled material ABS from CDW			
Recycled material PE from CDW			
Recycled material PP from CDW			
Sliding table saw	Altendorf	F-90	circular saw/sliding table saw
Testing apparatus	Zwick	5102	impact tester
Testing machine	Zwick Roell	Z020	allround-line materials testing machine
Wood flour (Spruce) material			
WPC example material	UPM Profi		Decking board