



ECOGEHR WPC

ECOGEHR WPC-materials are composites based on standard polymers and wood fibers. Due to the excellent bond of the wood fibers to the polymer, the materials have a high mechanical strength. Parts in durable technical applications are possible with ECOGEHR WPC. Suitable for open air applications. Antibacterial grade available. Processability is similar to wood.

ECOGEHR WPC-30PP

Composite based on polypropylene (PP) and wood fibers.

ECOGEHR WPC-50PVC

Composite based on polyvinyl chloride (PVC-U) and wood fibers.

ECOGEHR			WPC-30PP	WPC-50PVC
Technical properties	Norm	Unit		
Physical properties				
1. Maximum permissible service temperature	-	°C	85	79
2. Specific gravity	ISO 1183	g/cm ³	1,21	1,4
Ecological properties				
3. Ratio of renewable raw materials	-	%	70	50
4. Industrially compostable*	-	-	No	No
Mechanical properties				
5. Tensile strength at break	ISO 527	MPa	29,8	35,4
6. Elongation at break	ISO 527	%	1,6	1,6
7. Modulus of elasticity	ISO 527	MPa	5180	5840
8. Impact strength Charpy (23 °C)	ISO 179	kJ/m ²	7,7	

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