

### Premixed compounds for extrusion

	WPC PE H50-800-0,3	WPC PE H70-800-0,3	WPC PP D60-153-2	WPC PP D70-153-2	WPC PP H50-800-2	WPC PP H60-800-2	WPC PP H70-800-2
<b>Plastics: proportion</b> [%]	PE: 47	PE: 27	PP: 37	PP: 27	PP: 47	PP: 37	PP: 27
<b>Fibres: proportion</b> [%]	Softwood: 50	Softwood: 70	Hardwood: 60	Hardwood: 70	Softwood: 50	Softwood: 60	Softwood: 70
<b>Additives</b> [%]	3	3	3	3	3	3	3
<b>Colour</b>	Natural	Natural	Natural	Natural	Natural	Natural	Natural
<b>Appearance</b>	Granulate	Granulate	Granulate	Granulate	Granulate	Granulate	Granulate
<b>Loss on drying</b> [%]	~1	~1	~1	~1	~1	~1	~1
<b>Bulk density</b> [g/l]	~460	~550	~550	~550	~550	~550	~550
<b>Flexural properties</b>							
<b>Flexural strength</b> [MPa]	ca. 50	ca. 50	ca. 56.6	ca. 54.4	ca. 60	ca. 58	ca. 52
<b>Flexural elongation</b> [%]	ca. 4.4	ca. 2.8	ca. 3.6	ca. 2.9	ca. 2.5	ca. 2.7	ca. 1.7
<b>Young's flexural modulus</b> [MPa]	ca. 3449	ca. 4210	ca. 4040	ca. 4190	ca. 4430	ca. 4460	ca. 5483
<b>Chordal flexural modulus</b> [MPa]	ca. 3241	ca. 4061	ca. 3950	ca. 4090	ca. 4280	ca. 4350	ca. 5396
<b>Tensile properties</b>							
<b>Tensile strength</b> [MPa]	ca. 38.35		ca. 33.7	ca. 34.3	ca. 33	ca. 36	ca. 33
<b>Tensile elongation</b> [%]	ca. 2.9		ca. 3.1	ca. 2.4	ca. 1.6	ca. 2.3	ca. 1.7
<b>Young's tensile modulus</b> [MPa]	ca. 4402		ca. 4390	ca. 4910	ca. 5140	ca. 4650	ca. 6026
<b>Chordal tensile modulus</b> [MPa]	ca. 3873		ca. 4160	ca. 4670	ca. 4670	ca. 4440	ca. 5404
<b>Impact properties</b>							
<b>Impact strength without notch</b> [kJ/m <sup>2</sup> ]	ca. 13.8	ca. 8.8	ca. 15.1	ca. 10.7	~12	ca. 12.5	ca. 7.6
<b>Impact strength with notch</b> [kJ/m <sup>2</sup> ]	ca. 4.8	ca. 4.7	ca. 6.6	ca. 4.9	~4.1	ca. 4.9	ca. 3.8
<b>Other properties</b>							
<b>Density</b>	ca. 1.05	ca. 1.15	ca. 1.1	ca. 1.15	ca. 1.05	ca. 1.1	ca. 1.15
<b>Flow distance</b> [cm]			ca. 23	ca. 9	ca. 18	ca. 19	ca. 7