



By Woodcomposite Sweden AB

## Portfolio properties overview

Grade	Wood Content	Tensile Strength	Tensile Modulus	Tensile Elongation	Flexural Modulus	Impact Charpy Unnotched	Density	MVR 220°C/5kg	Vicat B, 50N	HDT A, 1,8 MPa	Carbon footprint*	Carbon footprint Eco-grades*
		ISO 527-2/50	ISO 527-2/2	ISO 527-2/50	ISO 178	ISO 179/1eU	ISO 1183	ISO 1133	ISO 306	ISO 75 2/A	ISO 14067	ISO 14067
<b>Pure</b>	%	MPa	MPa	%	MPa	kJ/m <sup>2</sup>	g/cm <sup>3</sup>	cm <sup>3</sup> /10min	°C	°C	kg CO2/kg	kg CO2/kg
Pure S30	30	36	3 500	2,6	3 200	14	1,01	60	110	100	1,16	-1,56
Pure S40	40	43	4 500	2,4	4 200	15	1,07	20	120	110	0,73	-1,53
Pure S50	50	49	5 700	1,8	5 300	16	1,10	8	127	130	0,44	-1,50
Pure L40	40	37	4 600	1,7	4 300	10	1,07	48	125	125	0,73	-1,53
Pure L50	50	44	5 500	1,6	5 300	11	1,10	10	130	140	0,44	-1,50
<b>Plus</b>	%	MPa	MPa	%	MPa	kJ/m <sup>2</sup>	g/cm <sup>3</sup>	cm <sup>3</sup> /10min	°C	°C	kg CO2/kg	kg CO2/kg
Plus S30 Flex K	30	27	1 900	9,0	1 900	25	1,01	20	70	80	1,16	-0,75
Plus S40 Flex K	40	31	2 300	7,0	2 300	26	1,06	16	75	85	0,76	-0,73
Plus S40 Impact D	40	49	4 300	3,6	4 000	24	1,06	20	115	110	0,89	-1,35
Plus L40 Impact D	40	48	4 500	3,0	4 200	18	1,06	22	118	118	0,89	-1,35
<b>Prime</b>	%	MPa	MPa	%	MPa	kJ/m <sup>2</sup>	g/cm <sup>3</sup>	cm <sup>3</sup> /10min	°C	°C	kg CO2/kg	kg CO2/kg
Prime C20 High DK	20	55	2 100	11,0	1 900	65	0,97	33	113	110	1,99	-0,89
Prime S30 High GG	30	50	2 800	9,5	2 600	55	1,01	17	70	100	1,39	-0,80
Prime L30 High GG	30	44	2 900	7,0	2 700	36	1,01	17	95	110	1,39	-0,80
<b>Recycled</b>	%	MPa	MPa	%	MPa	kJ/m <sup>2</sup>	g/cm <sup>3</sup>	cm <sup>3</sup> /10min	°C	°C	kg CO2/kg	kg CO2/kg
Loop S30 Nat 2	30	36	3 300	3,7	3 000	15	1,02	65	105	90	0,63	-
Loop S40 Impact D Nat 1	40	49	4 100	4,3	4 000	25	1,06	18	115	115	0,47	-
<b>3D printing</b>	%	MPa	MPa	%	MPa	kJ/m <sup>2</sup>	g/cm <sup>3</sup>	cm <sup>3</sup> /10min	°C	°C	kg CO2/kg	kg CO2/kg
3D S50 Flex K	50	30	2 700	7,0	2 800	26	1,10	7	75	85	0,46	-0,83
3D Ocean S50 Flex K	50	33	2 800	7,0	2 800	26	1,10	4	75	85	-	-
<b>Eco PE</b>	%	MPa	MPa	%	MPa	kJ/m <sup>2</sup>	g/cm <sup>3</sup>	cm <sup>3</sup> /10min	°C	°C	kg CO2/kg	kg CO2/kg
Eco PE S40 Food	40	28	2 300	3,2	2 200	18	1,07	10	68	68	-	-1,06
Eco PE L40 Food	40	26	2 200	2,0	2 300	15	1,08	13	100	90	-	-1,06

\*Cradle-to-gate, includes biogenic carbon capture

**Address:**  
WOODCOMPOSITE SWEDEN AB  
Gamla Nissastigen 14  
314 81 Hyltebruk, Sweden

**Technical Support & Troubleshooting**  
Daniel Evaldsson  
daniel.evaldsson@woodcomposite.se  
+46725258706

**Development, Lab Services & Regulatory**  
Carl Ternström  
carl.ternstrom@woodcomposite.se  
+46706079134

**Commercial & Business Development**  
Renato Cosic  
renato.cosic@woodcomposite.se  
+46702247809

**Sales Inquiries**  
Filip Johansson, Sales Manager  
filip.johansson@woodcomposite.se  
+46702672153