



Technical Data Sheet  
(Performance Characteristic)  
Malaysian Tropical Medium Light Hardwood

Plywood Type : CARB/US EPA		5.2mm	12mm	15mm	18mm	19mm	
No of Plies		5	9	9	11	11	
Species		Medium Light Hardwood					
Panel Size		1220mm x 2440mm/1232mm x 2451mm					
Bonding / Adhesive		Moisture Resistance (MR)  Urea Formaldehyde					
Property	Test Method	Value of Test	Value of Test	Value of Test	Value of Test	Value of Test	
Moisture Content	EN 322	10.5 %	9.8 %	10.1 %	9.3 %	10.2 %	
Density	EN 323	809 kg/m <sup>3</sup>	706 kg/m <sup>3</sup>	687 kg/m <sup>3</sup>	692 kg/m <sup>3</sup>	684 kg/m <sup>3</sup>	
Modulus of Rupture (MOR)	Parallel	EN 310	46.70 N/mm <sup>2</sup>	46.37 N/mm <sup>2</sup>	43.21 N/mm <sup>2</sup>	36.61 N/mm <sup>2</sup>	50.90 N/mm <sup>2</sup>
	Perpendicular		83.75 N/mm <sup>2</sup>	61.85 N/mm <sup>2</sup>	35.21 N/mm <sup>2</sup>	43.67 N/mm <sup>2</sup>	36.37 N/mm <sup>2</sup>
Modulus of Elasticity (MOE)	Parallel		4827 N/mm <sup>2</sup>	4651 N/mm <sup>2</sup>	5421 N/mm <sup>2</sup>	4180 N/mm <sup>2</sup>	5841 N/mm <sup>2</sup>
	Perpendicular		7618 N/mm <sup>2</sup>	6653 N/mm <sup>2</sup>	4730 N/mm <sup>2</sup>	4827 N/mm <sup>2</sup>	5425 N/mm <sup>2</sup>
Class Grade			F30/40 E50/70	F30/40 E40/60	F25/30 E50/40	F20/25 E40/40	F30/20 E50/50
Formaldehyde Emission			JIS A 1460:2015	0.491	0.476	0.281	0.435
		Correlation to chamber	0.040	0.038	0.033	0.030	0.037

This performance characteristic is according to the standard BS13986:2004 + A1:2015