



# WIPWOOD

THE WESTERN INDIA PLYWOODS LIMITED

Technical Literature

Annexure No. I

## WIPWOOD - WIP'S DENSIFIED WOOD FOR TEXTILE AND JUTE MILL WOODEN LOOM ACCESSORIES

### TYPES AND GRADES

WIPWOOD is designated by the symbol "WW" and is available in two types  
 Type 1 : This represents a wood based laminate where all laminations have grains in the same direction.

Type 2 : This represents a wood based laminate where alternate laminations have grain directions at right angles to each other.

WIPWOOD is manufactured in the following densities:

**LOW DENSITY** - this material is designated with the letters "LD". Its specific gravity ranges between 0.90 and 1.0.

**MEDIUM DENSITY** - this is designated with the letters "MD". Its specific gravity ranges from 1.1 TO 1.20  
**HIGH DENSITY** - this is designated with letters "HD". Its specific gravity ranges between 1.25 and 1.30

**EXTRA HIGH DENSITY** - this is our special grade which is designated with the wording "EHD" Specific gravity ranges between 1.35 to 1.40.

### Product Identification

The following nomenclature system is

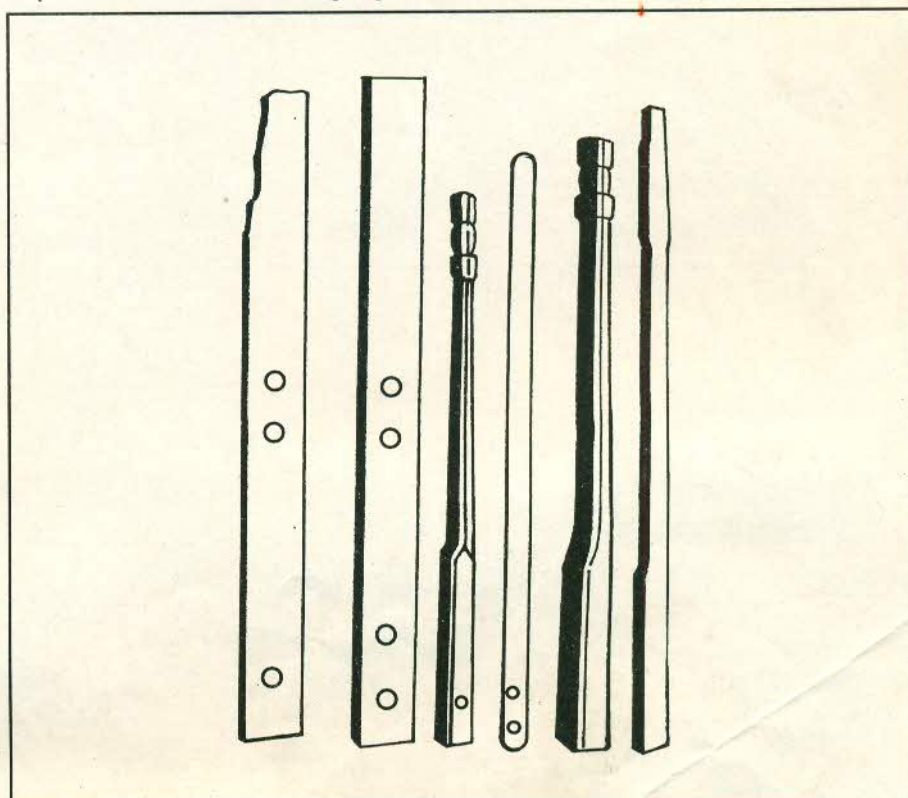
usually used for the identification of various grades of WIPWOOD

Wipwood is usually denoted with the letters "WW". This comes first in the series. Density is usually denoted with the wording (LD), (MD), (HD), etc. These come soon after the letters "WW". For example, WIPWOOD of low density shall be denoted with the code WW(LD) and similarly Wipwood of extra high density shall be denoted with the code WW (EHD). Usually the number denoting the grain direction comes in the end. For example, Wipwood laminate with straight grains

is denoted with the number "1" and Wipwood of low density with grains of all laminations in the same direction shall be denoted by the code WW (LD)1. Similarly, Wipwood of high density with grains of all laminations in the same direction shall be denoted with the code WW (HD) 1.

### Features

1) WIPWOOD is generally manufactured in thickness range of 3/8" (9.5 mm) to 3" (76 mm) in all the grades in different lengths and widths to suit the customers' needs.



2) **WIPWOOD** is also supplied in the form of components like picking sticks, side levers, sweep sticks, shuttle pegs, shuttle guides, swells, lease and supporting rods, raceboards, etc.

### Applications

Various grades of WIPWOOD are being used as indicated below :

GRADE WW (LD) 1 - this is being used for the manufacture of overpicks for ordinary looms and under picks for

ordinary and other semi-automatic looms.

GRADE WW (MD) 1 - this is recommended for use in the manufacture of picking sticks required for looms like Northrop, Picanol, Duck loom and other automatic and semiautomatic looms and race boards.

GRADE WW (HD) 1 - this is recommended for use in the manufacture of picking sticks for silk mill looms as well as for the manufacture of picking sticks for blanket looms, and wire weaving

mills. This grade is also being used for the manufacture of shuttle pegs.

GRADE WW (EHD) 1 - this is a special grade having extremely high density. It is being increasingly used for shuttle peg manufacture.

### IMPORTANT

**We also undertake the manufacture of special material to customer's specifications.**

Properties	Units	WW(LD) 1	WW(MD)1	WW(HD)1
Specific gravity - Minimum	-	0.90	1.10	1.30
Tensile strength - Minimum	Kg/ Cm <sup>2</sup>	1100	1200	1550
Compression strength :				
a) Flatwise - Minimum	Kg/ Cm <sup>2</sup>	800	1150	1200
(b) Parallel to grain				
Endwise - Minimum	Kg/ Cm <sup>2</sup>	700	800	1150
Sheer strength :				
a) Parellel to grain & Laminae - Minimum	Kg/ Cm <sup>2</sup>	100	150	180
b) Perpendicular to grain & Laminae - Minimum	Kg/ Cm <sup>2</sup>	250	300	350
Bending strength :				
Along the grain - Minimum	Kg/ Cm <sup>2</sup>	900	1100	1500
Impact strength :				
(Un-notched sample)				
Perpendicular to Laminate & grain - Minimum	KGM	0.50	0.60	0.80

For further information, Please contact :



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