



JASUD ORTHO SHEETS

ORTHOTICS & PROSTHETICS (Sheet Specifications)

Jasud Enterprises offers

- **Ortho P RC (Premium) grade of sheets**

Foot Orthoses, Prosthetic Sockets, Upper and Lower Limb Orthoses and Corsets

- **Ortho P C (Economy) grade of sheets**

Foot Orthoses, Upper Limb Orthoses and 'Boston' Body Jackets where a blend of rigidity and flexibility are required.

- **Orthoflex (Premium) grade of sheets**

Making flexible inner Sockets for Upper and Lower Limbs, Supra Medular Orthoses, Spinal braces, Splints, Cervical Collars etc.

- **Ortho H grade of sheets**

Making Cervical Collars, Inserts on Lumbo Sacral Belts, Spinal Orthoses, Splints etc.



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1. Ortho P RC (Premium) Grade of Sheets

Characteristics

- This range of sheets are extruded from prime specially blended grades of Polypropylene.
- They are lightweight, stiff, stable and have a high impact strength.
- They have a very good melt strength which results in even sagging upon heating resulting in a uniform thickness on the end product. Hence they are excellent for suction moulding applications. Due to this property there is no need to keep a stockinette underneath the sheet when kept for heating in an oven. A Teflon sheet is recommended so that impression of the oven tray does not get transferred onto the sheet when it melts.
- They are recommended for fabricating Weight bearing applications since they have a unique hinge ability which enables repeated flexing without fracturing.
- There is no stress whitening caused upon impact due to its special formulation.
- They are resistant to Human Sweat, Cosmetics, Skin Creams, Detergents and Disinfecting Solutions, this results in a longer life of the orthoses/prostheses.



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Supply Programme

- We can supply in 1000mm x 2000mm size in thicknesses ranging from 2mm to 6mm for Orthotics and in 1220mm x 2440mm size in thicknesses 12mm and 15mm for Prosthetics.
- The standard colour is natural
- Specific sizes and colour can be supplied on Custom basis

Temperature Range

- Recommended heating time in Oven is 3 to 4 minutes per mm thickness of sheet at an oven temperature between 180 to 200 degrees Celsius. This shall vary based upon the Oven construction.

Applications

- They are mainly used for making various types of Foot Orthoses, Prosthetic Sockets, Upper and Lower Limb Orthoses and Corsets



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2. Ortho P C (Economy) grade of sheets

Characteristics

- This range of sheets are extruded from Copolymer grades of Polypropylene.
- They are lightweight, less stiff than Ortho P RC and also have a high impact strength.
- They have poor melt strength. Hence they are meant for Non Suction moulding applications. Hence one needs to keep a stockinette underneath the sheet while heating in an oven. The sheet will stick to the stockinette. The stockinette will act as a support when sheet is taken out from the oven, otherwise it shall sag. While draping one needs to stretch the stockinette alongwith the sheet over the mould to form a orthoses.
- They are recommended for weight bearing applications.
- They shall develop stress whitening marks upon impact.

Supply Programme

- We can supply in 1000mm x 2000mm size in thicknesses ranging from 2mm to 6mm for Orthotics.
- The standard colour in natural.
- Specific sizes and colours can be supplied on custom basis.



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ORTHOTICS & PROSTHETICS (Sheet Specifications)

Temperature Range

- Recommended heating time in Oven is 3 to 4 minutes at an Oven temperature between 180 to 200 degrees Celsius. This shall vary based upon Oven Construction.

Applications

- They are used for making various types of Foot Orthoses, Upper Limb Orthoses and 'Boston' Body Jackets where a blend of rigidity and flexibility are required.



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3. Orthoflex (Premium) grade of sheets

Characteristics

- This range of sheets are extruded from special grades of Polyethylene.
- They are very flexible, soft and smooth. They have a very low coefficient of friction which increases the comfort level of the wearer.
- They have a decent melt strength which means that they can be suction moulded.
- They are used for Non weight bearing applications.
- Prolonged exposure to human oil, sweat etc can cause discolouration of the product made from it.

Supply Programme

- We can supply in 1000mm x 2000mm size in thicknesses ranging from 2mm to 10mm.
- The standard colour is Natural
- Specific Sizes and colour can be supplied on Custom basis.

Temperature Range

- Recommended heating time in Oven is 2 to 3 minutes per mm thickness of sheet at an oven temperature between 150 to 170 degrees Celsius. This shall vary based on Oven construction.



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Applications

- They are mainly used for making flexible inner Sockets for Upper and Lower Limbs, Supra Medular Orthoses, Spinal braces, Splints, Cervical Collars etc.



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4. Ortho H Grade of Sheets

Characteristics

- This range of sheets are extruded from high density polyethylene grade of material.
- They are more rigid compared to Orthoflex.
- They have less melt strength hence not meant for suction moulding.
- They are used for non weight bearing applications

Supply Programme

- We can supply in 1000mm x 2000mm size in thicknesses ranging from 1.5mm to 5mm.
- The standard colour is natural
- Specific sizes and Colour can be supplied on a custom basis

Temperature Range

- Recommended heating time in Oven is 2 to 3 minutes per mm thickness of sheet at an oven temperature between 160 to 180 degrees Celsius. This shall vary based upon the Oven construction.



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Applications

- They are mainly used for making Cervical Collars, Inserts on Lumbo Sacral Belts, Spinal Orthoses, Splints etc.

Jasud Sheet Matrix

A Quick Reference to Order Jasud Sheets for your Applications

Application	Required Jasud Sheet
Foot Orthoses	Ortho P RC (Premium) Ortho P C (Economy)
Prosthetic Sockets	Ortho P RC (Premium)
Upper and Lower Limb Orthoses and Corsets	Ortho P RC (Premium) Ortho P C (Economy)
Boston' Body Jackets where a blend of rigidity and flexibility are required	Ortho P C (Economy)
Flexible inner Sockets for Upper and Lower Limbs	Orthoflex (Premium)
Supra Medular Orthoses	Orthoflex (Premium)
Spinal braces	Orthoflex (Premium)
Splints	Orthoflex (Premium), Ortho H
Cervical Collars	Orthoflex (Premium), Ortho H
Inserts on Lumbo Sacral Belts	Ortho H
Spinal Orthoses	Ortho H



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JASUD ENTERPRISES

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