

HP CHARCOAL 5

Product Name : HP CHARCOAL 5

Product Description : This is a double ply (1.5 mil) 37 microns thick dyed film with a metallic sheen which has been specially developed to provide higher heat rejection and to be highly energy efficient, without compromising on light transmission.



Sr.No	Properties	Unit	Some of Our Renowned Customers
1	Thickness	1.5 Mil	<ul style="list-style-type: none">• Lanco & Infra Ltd, Gurgaon• RR Donnelly India Pvt Ltd., Chennai• Rolta India Ltd., Delhi• Sardar Vallabhbai Patel College, Mumbai• Sanali Info Park, Hyderabad• Shailaja Hospital, Guntur• Step by Step School, Noida• Tata Nano, Sanand - Ahmedabad
2	Visible Light Transmittance	4%	
3	Visible Light Reflectance	5%	
4	Solar Energy Transmittance	21%	
5	Solar Energy Reflectance	12%	
6	Solar Energy Absorbance	67%	
7	Ultra Violet Transmittance	< 1%	
8	Glare Reduction	96%	
9	Shading Coefficient	0.46	
10	Emissivity	0.78	
11	U Factor (BTU /HR./SQ.FT.)	1.03	
12	Total Solar Energy Rejection	61%	



Disclaimer : All values as applied to 1/8 inch Clear Plate Glass. Tests are representative of actual production & may vary from batch to batch.

HP CHARCOAL 50

Product Name : HP CHARCOAL 50

Product Description : This is a double ply (1.5 mil) 37 microns thick dyed film with a metallic sheen which has been specially developed to provide higher heat rejection and to be highly energy efficient, without compromising on light transmission.



Sr.No	Properties	Unit	Ideal For
1	Thickness	1.5 Mil	<ul style="list-style-type: none">• Homes• Corporate Offices• Hotels• Banks• ATM Centres• Shopping Malls• Airports• Hospitals
2	Visible Light Transmittance	54%	
3	Visible Light Reflectance	8%	
4	Solar Energy Transmittance	55%	
5	Solar Energy Reflectance	7%	
6	Solar Energy Absorbance	38%	
7	Ultra Violet Transmittance	< 1%	
8	Glare Reduction	41%	
9	Shading Coefficient	0.76	
10	Emissivity	0.88	
11	U Factor (BTU /HR./SQ.FT.)	1.15	
12	Total Solar Energy Rejection	34%	



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HP NATURAL 20

Product Name : HP NATURAL 20

Product Description : This is a double ply (1.5 mil) 37 microns thick dyed film with a metallic sheen which has been specially developed to provide higher heat rejection and to be highly energy efficient, without compromising on light transmission.

GARWARE SUNCONTROL®

WINDOW FILM

Sr.No	Properties	Unit	Some Of Our Renowned Customers
1	Thickness	1.5 Mil	<ul style="list-style-type: none">• ACS Medical College, Chennai• Andhra Pradesh State Road Corporation, Hyderabad• Cybage Software Pvt Ltd., Pune• Forties Hospital, Gurgaon• Franklin Templeton, Gachibowli - Hyderabad• Hindustan Aeronautics Ltd., Bangalore• Indian School of Business, Hyderabad• Kanakia Space, Mumbai• National Institute of Tourism & Hospitality Management, Hyderabad• Rolta India Ltd., Mumbai• Sahara India Ltd., Lucknow• Shri Ram School DLF 3, Gurgaon
2	Visible Light Transmittance	21%	
3	Visible Light Reflectance	7%	
4	Solar Energy Transmittance	24%	
5	Solar Energy Reflectance	13%	
6	Solar Energy Absorbance	63%	
7	Ultra Violet Transmittance	< 1%	
8	Glare Reduction	77%	
9	Shading Coefficient	0.49	
10	Emissivity	0.77	
11	U Factor (BTU /HR./SQ.FT.)	1.13	
12	Total Solar Energy Rejection	58%	



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HP NATURAL 35

Product Name : HP NATURAL 35

Product Description : This is a double ply (1.5 mil) 37 microns thick dyed film with a metallic sheen which has been specially developed to provide higher heat rejection and to be highly energy efficient, without compromising on light transmission.

GARWARE SUNCONTROL®

WINDOW FILM

Sr.No	Properties	Unit	Some Of Our Renowned Customers
1	Thickness	1.5 Mil	<ul style="list-style-type: none">• Adani Port Ltd., Dahej - Bharuch• Edelweiss, Mumbai• Great Lakes, Kalpakkam• Hotel Rama International, Aurangabad• Hotel Vits, Aurangabad• Indo Green Hotel, Delhi• Innodata, Noida• Paradeep Port Trust, Paradeep - Orissa• Shri Ram School DLF 4, Gurgaon• Titan Industries Ltd., Bangalore
2	Visible Light Transmittance	39%	
3	Visible Light Reflectance	14%	
4	Solar Energy Transmittance	36%	
5	Solar Energy Reflectance	16%	
6	Solar Energy Absorbance	48%	
7	Ultra Violet Transmittance	< 1%	
8	Glare Reduction	57%	
9	Shading Coefficient	0.57	
10	Emissivity	0.80	
11	U Factor (BTU /HR./SQ.FT.)	1.11	
12	Total Solar Energy Rejection	51%	



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Product Name : HP GREEN 30

Product Description : This is a double ply (1.5 mil) 37 microns thick dyed film with a metallic sheen which has been specially developed to provide higher heat rejection and to be highly energy efficient, without compromising on light transmission.

GARWARE SUNCONTROL®
WINDOW FILM

Sr.No	Properties	Unit	Some Of Our Renowned Customers
1	Thickness	1.5 Mil	<ul style="list-style-type: none">• Competent Software, Mohali• Delta Tower, Gurgaon• Honeywel Automation (I) Ltd., Chennai• Jindal Saw Ltd., Gurgaon• United States Pharmacopeia, Hyderabad
2	Visible Light Transmittance	35%	
3	Visible Light Reflectance	7%	
4	Solar Energy Transmittance	43%	
5	Solar Energy Reflectance	8%	
6	Solar Energy Absorbance	49%	
7	Ultra Violet Transmittance	< 1%	
8	Glare Reduction	61%	
9	Shading Coefficient	0.66	
10	Emissivity	0.84	
11	U Factor (BTU /HR./SQ.FT.)	1.12	
12	Total Solar Energy Rejection	43%	



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HP BLUE 35

Product Name : HP BLUE 35

Product Description : This is a double ply (1.5 mil) 37 microns thick dyed film with a metallic sheen which has been specially developed to provide higher heat rejection and to be highly energy efficient, without compromising on light transmission.

GARWARE SUNCONTROL[®]

WINDOW FILM

Sr.No	Properties	Unit	Some Of Our Renowned Customers
1	Thickness	1.5 Mil	<ul style="list-style-type: none">• ACS Medical College, Chennai• Sandisk, Bangalore
2	Visible Light Transmittance	41%	
3	Visible Light Reflectance	10%	
4	Solar Energy Transmittance	40%	
5	Solar Energy Reflectance	11%	
6	Solar Energy Absorbance	49%	
7	Ultra Violet Transmittance	< 1%	
8	Glare Reduction	55%	
9	Shading Coefficient	0.62	
10	Emissivity	0.80	
11	U Factor (BTU /HR./SQ.FT.)	1.10	
12	Total Solar Energy Rejection	46%	



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HP GREY 50

Product Name : HP GREY 50

Product Description : This is a double ply (1.5 mil) 37 microns thick dyed film with a metallic sheen which has been specially developed to provide higher heat rejection and to be highly energy efficient,without compromising on light transmission.

GARWARE  **SUNCONTROL**[®]
WINDOW FILM

Sr.No	Properties	Unit	
1	Thickness	1.5 Mil	
2	Visible Light Transmittance	53%	
3	Visible Light Reflectance	9%	
4	Solar Energy Transmittance	54%	
5	Solar Energy Reflectance	7%	
6	Solar Energy Absorbance	39%	
7	Ultra Violet Transmittance	< 1%	
8	Glare Reduction	42%	
9	Shading Coefficient	0.75	
10	Emissivity	0.87	
11	U Factor (BTU /HR./SQ.FT.)	1.14	
12	Total Solar Energy Rejection	35%	



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