

**DOP No. RGHSPL/DOP/EN10210/S355J2H**

Sr. No	Performance Particulars	Description																														
1	Unique of product type	EN 10210-1:2006 Hot rolled Seamless of S355J2H.																														
2	Intended use of construction products:	Metal structures or in composite metal and concrete structures																														
3	Manufacturer:	RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED (Seamless Division) Vill & Mouja-Changual, Jethia, Khatranga, Gopinathpur, Goyalara, P.O - Changual, P.S - Kharagpur (Local), Dist- Paschim Medinipur, West Bengal, 721301, India																														
4	Contact address of authorized representative:	Murlidhar Gawande. RASHMI GREEN HYDROGEN STEEL PRIVATE LIMITED (Seamless Division) Vill & Mouja-Changual, Jethia, Khatranga, Gopinathpur, Goyalara, P.O - Changual, P.S - Kharagpur (Local), Dist- Paschim Medinipur, West Bengal, 721301, India																														
5	Assessment system and verification for constancy of performance	<b>2+</b>																														
6(a)	Harmonized Standard	EN 10210-1:2006																														
	Notified Body	TUV NORD Systems GmbH & Co. KG, notified body for construction product regulation (CPR), Reg No. 0045 performed initial inspection of manufacturing plant under system 2+ and issued certificate of conformity of the factory production control.																														
6(b)	European Assessment	NA																														
7	<table border="1"> <thead> <tr> <th>Essential Characteristics</th> <th>Performance</th> <th>Harmonized Technical Specification</th> </tr> </thead> <tbody> <tr> <td>Tolerance on dimensions and shape</td> <td>EN 10210-2:2019</td> <td>EN 10210-2:2019</td> </tr> <tr> <td>Mechanical Properties</td> <td></td> <td></td> </tr> <tr> <td>Tensile Strength(MPa)</td> <td>Hot Rolled Strip= 470 - 630 Mpa</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Yield Strength(MPa)</td> <td>Hot Rolled Strip = 355 Mpa min</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Elongation (%)</td> <td>Minimum 22% (EN 10210-1 Table A.3)</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Impact Strength (-20deg C)</td> <td>27 (Joules) – Longitudinal</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Weld ability (cover by chemical composition)</td> <td>Satisfactory</td> <td>EN 10210-1:2006</td> </tr> <tr> <td>Durability (cover by chemical composition)</td> <td>NPD</td> <td></td> </tr> <tr> <td>Dangerous substances</td> <td>&lt; 100PPM</td> <td></td> </tr> </tbody> </table>		Essential Characteristics	Performance	Harmonized Technical Specification	Tolerance on dimensions and shape	EN 10210-2:2019	EN 10210-2:2019	Mechanical Properties			Tensile Strength(MPa)	Hot Rolled Strip= 470 - 630 Mpa	EN 10210-1:2006	Yield Strength(MPa)	Hot Rolled Strip = 355 Mpa min	EN 10210-1:2006	Elongation (%)	Minimum 22% (EN 10210-1 Table A.3)	EN 10210-1:2006	Impact Strength (-20deg C)	27 (Joules) – Longitudinal	EN 10210-1:2006	Weld ability (cover by chemical composition)	Satisfactory	EN 10210-1:2006	Durability (cover by chemical composition)	NPD		Dangerous substances	< 100PPM	
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8.	The performance of the product identified above is in conformity with the set of declared performance/s. This Declaration of Performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.																															

Signature:

Murlidhar Gawande  
Dy. Manager(QA/QC)

Place:Kharagpur(India).  
Date:15/04/2024.

