

2024 Hanwha Advanced Materials America GRI Standard Report and Fact Book

Reporting Indicators	GRI Standards	Indicator Name	Indicator Details 1	Indicator Details 2	Indicator Details 3	Indicator Details 4	Unit	Period		
								2022	2023	2024
1. Organization Profile	102-1	Organization Name						Hanwha advanced Material America		
	102-2	Activities, Brands, Products & Services						Lightweight Composite Materials leader RR BEAM, Undercover, Truck bed, Crush pad		
	102-3	Headquarters Locations						Hanwha Advanced Materials America 4400 North park drive , AL, 36801		
	102-4	Business Area						North America		
	102-5	Forms of ownership and legal forms						Hanwha Advanced Materials America is a corporation under the HADI		
	102-6	Market Area						North America		
	102-8	Employee Status	Total number of employees	Subtotal			person	402	419	413
	Gender					person	402	419	413	
				Male			person	303	312	300
				Female			person	99	107	113
		Registered Executive	Subtotal				person	1	1	1
						Male		1	1	1
			Female			person	0	0	0	
	102-10	Significant changes in the organization and supply chain						Not applicable (N/A)		
	102-11	Precautionary principles or approaches						Environmental Management Policy 1. Prioritizing Safety, Health, and Environment in Management We consider safety, health, and environment as the top priorities in management by eliminating hazards and minimizing risks. 2.Creating a Safe Working Environment We strive to build a safety culture involving all employees and workers and to maintain a safe work environment. 3. Compliance with Environmental and Safety Regulations We voluntarily comply with applicable laws and regulations and continuously pursue improvement activities. 4. Responding to Climate Change We contribute to global environmental preservation by minimizing pollutant emissions and reducing greenhouse gases.		
	102-12	External Initiatives						Hanwha Advanced Materials America holds the following management system standards: IATF 16949, ISO 9001, ISO 14001, and ISO 45001.		
2. Strategy	102-15	Key Impacts, Risks, and Opportunities						Hanwha Advanced Materials America has prepared the 2024 Fact Book in accordance with the headquarters' guidelines and is preparing to publish the 2025 Sustainability Report.		
3. Ethics and Transparency	102-16	Values, Principles, Standards and Code of Conduct						○ Ethics Charter Hanwha Advanced Materials aims to share its achievements and values with 'customers, employees, partners and shareholders' through ethical management by growing into a leading company in the 21st century. ①Creating value for our clients ②Creating values for our partners ③Protecting employee rights ④Desired attitude of employees ⑤Creating values for the country and society ○ Ethical Behavior Guidelines Hanwha Advanced Materials has established ethical behavior guidelines for the implementation of the Ethics Charter. ①Prohibition of accepting economic benefits ②Duty of good faith ③Fair trade compliance		
4. Governance	102-18	Governance						The Board of Directors, the highest decision-making body of Hanwha Advanced Materials, is composed of five directors and one auditor. It is responsible for resolving agenda items for the company's long-term growth.		
	1020-22	Board and Committee Status	Board of Directors Status	Composition	Total		person	1	1	1
					Inside Director		person	1	1	1
					Outside Director (non-executive)	Number of Outside Directors	person	0	0	0
					Ratio of Outside Directors	%	0%	0%	0%	
					Female Director	Number of Female Directors	person	0	0	0
			Ratio of Female Directors	%	0%	0%	0%			
5. Reporting Practices	102-45	Organizations included in the consolidated financial statements						Only for Hanwha advanced Materials America		
	102-46	Definition of Report Content and Topic Boundaries						The reporting boundary covers all Alabama business sites and key supply chains. This report has been prepared in accordance with the Core option of the GRI Standards.		
	102-47	List of Important Topics						Each team has identified key ESG tasks and action plans for 2024.		
	102-50	Reporting Period						2022-01-01 ~ 2024-12-31		
	102-51	Most recent reporting date						Not applicable (N/A)		
	102-53	Contact for Report Inquiries						William@hanwhaus.com		
	102-54	Method of compliance with GRI Standards						This report has been prepared in accordance with the GRI Standards, the international framework for environmental and sustainability reporting provided by the Global Reporting Initiative (GRI), and complies with the Comprehensive option of the GRI reporting standards.		
	102-55	GRI Index						The corresponding file		
102-56	External Verification						This report has not been externally verified.			

Anti-Corruption	205-1	Ethics and Compliance	Anti-corruption risk assessment	Number of sites conducting anti-			company	Not applicable (N/A)			
	205-2	Anti-Corruption Communication and Education	Anti-Corruption (Ethics) Education	Total number of sites			company		1		
				Ethics Education Hours			hour		24		
				Number of Participants			person		120		
				Number of executives who completed ethics training			person		0		
				Number of employees who completed ethics training			person		0		
				Number of suppliers who signed the anti-corruption policy (Code of Ethics)			company		0		
		Anti-Corruption Policy (Code of Ethics)	Number of executives and employees who signed the anti-corruption policy (Code of Ethics)			person	0				
Anti-Competitive Behavior	205-3	Confirmed corruption cases and actions taken						Not applicable (N/A)			
	206-1	Anti-Competitive Conduct	Legal actions due to anti-competitive behavior				case	Not applicable (N/A)			
Energy	302-MA	Energy Management Policy						Have Carbon Reduction Roadmap Report			
	302-1	Total Energy Usage	Total Energy Usage				GJ	345,514.32	300,919.31	258,027.14	
	302-1	Direct/Indirect Energy Usage		Direct Energy Usage	Subtotal		GJ	272,689.99	241,750.00	190,500.00	
						Gasoline	GJ				
						Diesel	GJ				
						Kerosene	GJ				
						LNG	GJ	272,689.99	241,750.00	190,500.00	
						LPG	GJ				
						Others	GJ				
						Subtotal	GJ	72,824.33	59,169.31	67,527.14	
				Direct Energy Usage and Sales	Consumption	Subtotal	GJ	72,824.33	59,169.31	67,527.14	
						Electric Power	GJ	0.00	0.00	0.00	
						Steam	GJ				
					In-house	Subtotal	GJ				
						Steam	GJ				
					Sales	Subtotal	GJ				
			Steam	GJ							
302-3	Usage per Dollar	Usage per Dollar				GJ/\$					
Water	303-3	Water Withdrawal	Water Withdrawal	Total Water Withdrawal	Subtotal		ton	89,601	79,482	94,901	
				Type	Fresh Water	ton	89,601.0	79,482.0	94,901.0		
					Others	ton	0.0	0.0	0.0		
				Source	Third-party	ton	89,601.0	79,482.0	94,901.0		
				Water Withdrawal in high water stress		ton	N/A	N/A	N/A		
	303-4	Water Discharge	Water Discharge (Wastewater)	Total Discharge	Subtotal		ton	10,296	5,508	1,745	
				Type	Fresh Water	ton	10,296	5,508	1,745		
					Others	ton	N/A	N/A	N/A		
				Discharge Area	Treatment/disch	ton	10,296	5,508	1,745		
				Discharge in high water stress areas	Subtotal		ton	N/A	N/A	N/A	
	303-5	Water Consumption	Water Usage	Total Water Usage		ton	79,305	73,974	93,156		
				Total Reused Water		ton	0	0	0		
				Water Reuse Rate		%	0%	0%	0%		
				305-1	Greenhouse Gases	Greenhouse Gas Emissions	Total Emissions(Scope 1 + Scope 2)		tCO ₂ -eq	28,340.00	19,134.08
Direct Greenhouse Gas Emissions (Scope 1)							Subtotal	tCO ₂ -eq	16,823.00	12,443.58	9,831.34
	Company	tCO ₂ -eq	16,823.00				12,443.58	9,831.34			
	Others (parent, subsidiaries,	tCO ₂ -eq	N/A				N/A	N/A			
	305-2	Indirect Greenhouse Gas Emissions (Scope 2)	Indirect Greenhouse Gas Emissions (Scope 2)				Subtotal	tCO ₂ -eq	11,517.00	6,690.50	7,173.90
Company				tCO ₂ -eq	11,517.00	6,690.50	7,173.90				
Parent				tCO ₂ -eq	0.00	0.00	0.00				
Subsidiaries				tCO ₂ -eq	0.00	0.00	0.00				
Affiliated				tCO ₂ -eq	0.00	0.00	0.00				
Joint Venture				tCO ₂ -eq	0.00	0.00	0.00				
305-3				Other Greenhouse Gas Emissions	Other Greenhouse Gas Emissions (Scope 3)	Subtotal	tCO ₂ -eq	N/A	N/A	N/A	

Emission		(Scope 3)			Key Factors	1. Purchase of products and 2. Capital goods 3. Fuel- and energy-related 4. Transportation and 5. Waste generated from 6. Employee business travel 7. Employee commuting 8. Upstream leased assets 9. Transportation and 10. Others (product use / disposal / treatment, investments, etc.)	tCO ₂ -eq tCO ₂ -eq tCO ₂ -eq tCO ₂ -eq tCO ₂ -eq tCO ₂ -eq tCO ₂ -eq tCO ₂ -eq tCO ₂ -eq tCO ₂ -eq	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	N/A N/A N/A N/A N/A N/A N/A N/A N/A N/A	
	305-4	Greenhouse Gas Emissions per W		Sales Total Emissions Emissions per W			W100M tCO ₂ -eq tCO ₂ -eq	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A
	305-6,7	Air Pollution Emissions	Air Pollutants	ODS (Ozone-Depleting Substances) NOx (Nitrogen Oxides) emissions SOx (Sulfur Oxides) emissions Dust emissions			tCFC-eq ton ton ton	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A	N/A N/A N/A N/A
	306-3	Waste Generation	Waste Generation	Total generation Designated waste (hazardous waste) General waste (non-hazardous waste)			ton ton ton	3,800.6 20.0 3,780.6	2,708.8 15.0 2,693.8	3,029.6 12.0 3,017.6	
	306-5	Waste Disposal	Waste Disposal	Total waste treatment Designated waste (hazardous waste)	Subtotal		ton	3,039.2 20.0	2,065.0 15.0	2,337.3 12.0	
					Type	Landfill Incineration Others	ton ton ton	0.0 0.0 20.0	0.0 0.0 15.0	0.0 0.0 12.0	
					Subtotal		ton	20.0	15.0	12.0	
					Method	Self-Processing Outsourcing to treatment contractors	ton ton	0.0 20.0	0.0 15.0	0.0 12.0	
				General waste (non-hazardous waste)	Subtotal		ton	3,019.2	2,050.0	2,325.3	
					Type	Landfill Incineration Others	ton ton ton	3,019.2 0.0	2,050.0 0.0	2,325.3 0.0	
Wastewater and Waste					Subtotal		ton	3,019.2	2,050.0	2,325.3	
					Method	Self-Processing Outsourcing to treatment	ton ton	0.0 3,019.2	0.0 2,050.0	0.0 2,325.3	
	306-4	Waste Recycling	Waste Recycling	Total amount of waste recycled Total waste recycling rate Designated waste (hazardous waste)	Subtotal		ton % ton	781.0 21% -	658.0 24% -	704.0 23% -	
					Type	Pretreatment for reuse Recycling Other restoration treatments	ton ton ton	N/A N/A N/A	N/A N/A N/A	N/A N/A N/A	
					Method	Self-Processing Outsourcing to treatment contractors	ton ton	N/A N/A	N/A N/A	N/A N/A	
					Subtotal		ton	781	658	704	
				General waste (non-hazardous waste)	Resource recovery type	Pretreatment for reuse Recycling Other restoration treatments	ton ton ton	0.0 781.0 0.0	0.0 658.0 0.0	0.0 704.0 0.0	
					Resource recovery method	Self-Processing Outsourcing to treatment	ton ton	0.0 781.0	0.0 658.0	0.0 704.0	
	Environmental Compliance	307-1	Violation of environmental laws and regulations	Number of violations of Environmental fines and penalties			case WM	- -	0 0	- -	
	Labor-management relations	402-1	Operational changes and minimum notice						N/A		
Occupational Health and Safety	403-1	Workplace health and safety system management						Based on the PDCA cycle required by the Occupational Health and Safety Management System (ISO 45001), we systematically implement the system and realize safety and health management through continuous improvement. Additionally, we carry out improvement activities addressing process hazards that could lead to major industrial accidents such as fires, explosions, and leaks.			
	403-2	Hazard Awareness, Risk Assessment, and Incident Investigation						Through risk assessments, we continuously identify potential hazards and establish improvement measures to minimize risks. Additionally, we strive for autonomous compliance with laws and regulations by conducting regular evaluations and inspections of safety and health regulatory adherence.			
	403-3	Workplace Health Services						Workplace Health Services implements vaccinations to promote health and supports drug testing for new hires. Through Urgent Care, we provide periodic blood sugar checks, height and weight measurements, and vitamin injections			
	403-4	Workplace Health/Safety Communication						The management leads, and all employees participate in regular safety inspections and safety meetings to promote active safety communication.			
	403-5	Workplace health and safety training for employees						We conduct safety training to ensure accurate and prompt decision-making during emergency situations.			
	403-6	Employee health promotion						Through Urgent Care, we provide periodic blood sugar checks, height and weight measurements, and vitamin injections			
	403-7	Workplace health and safety prevention						To prevent workplace accidents, we implement a permit-to-work system that requires prior approval from the safety team before conducting hazardous tasks. For high-risk work, the safety team provides pre-task safety training, monitors worker behavior, and guides safe work practices to prevent accidents.			
	403-8	Scope of occupational health and safety system application	Employees and executives managed under the occupational health and safety system	Number of Employees and Executives Suppliers			person EA	402	419	413	

	403-9	Industrial Accident	Human Safety System	Ratio of Employees and Executives		%	100%	100%	100%
			Total number of business sites		EA	1	1	1	
			Sites with work-related incidents	Number of business sites		EA	1	1	1
				Rate of business sites		%	100%	100%	100%
			Number of occupational accidents	Employees and executives (own company)		case	3	4	3
				Suppliers		case	-	0	-
			Number of serious accidents (excluding fatalities)	Employees and executives (own company)		case	0	0	0
				Suppliers		case	0	0	0
			Total working hours	Employees and Executives		hour	1,119,271	1,083,504	1,227,649
				Suppliers		hour	-	-	-
			Accident rate	Employees and executives (own company)		%	0%	0%	0%
				Suppliers		%	0%	0%	0%
			Serious accident rate (excluding fatalities)	Employees and executives (own company)		%	0%	0%	0%
				Suppliers		%	0%	0%	0%
			Frequency rate	Employees and executives (own company)			-	0.18	0.50
				Suppliers			-	0	-
	403-10	Occupational Diseases	Sites with work-related illnesses	Number of business sites		EA	0	0	0
				Rate of business sites		%	0%	0%	0%
			Employees and Executives	Number of occupational disease cases		case	0	0	0
			Suppliers	Number of occupational disease cases		case	0	0	0
Prohibition of discrimination	406-1	Discrimination incidents and corrective actions taken					We have not had any incidents of discrimination		
Child Labor /Forced Labor	408-1, 409-1	Child Labor/Forced Labor					No suppliers with serious human rights risks such as discrimination/abuse, child/forced labor, or non-compliance with labor laws were identified. These issues are included in the Partner Code of Conduct and reflected in the partner evaluation criteria.		
Indigenous Rights	411-1	Indigenous rights violations					No incidents of indigenous rights violations occurred during the reporting period.		
Public Policy	415-1	Political Contributions					We did not make any donations or sponsorships for political purposes during the reporting period.		