

CATALYST SUPPORT CARBON



“ Optimizing chemical processes with high-performance catalytic activated ”

Catalysts are substances that change the rate of a reaction by providing an alternative pathway, making them essential in many industries. As a catalyst support material, coconut shell activated carbon provides the ideal surface for chemical reactions due to its unique properties. Haycarb Catalytic Activated Carbon offers an excellent surface for chemical reactions with its high surface area, chemical stability, low attrition loss, and effective dispersion of metal particles. Our product portfolio includes high-activity coconut shell-based granular grades and acid-washed grades with enhanced catalytic carrier properties.

With uniform porosity, superior hardness, and chemical inertness, Haycarb Catalyst Support Carbon is trusted globally for applications requiring high adsorption capacity and precise specifications. Our solutions are widely used in industries including pharmaceuticals, chemical production, and battery manufacturing. This makes Haycarb the preferred choice for catalytic activated carbon systems and catalytic carbon filter systems.

TECHNICAL INFORMATION

Parameter	Value		Test method
	Medium activity	High activity	
CTC adsorption capacity % (w/w)*	>55	>70	ASTM D3467
Iodine No (mg/g)*	>1100	>1250	ASTM D4607
Apparent density (g/cc)*	>0.43	>0.42	ASTM D2854
Ash content % (w/w)	<4		ASTM D2866
Moisture content % (w/w)	<5		ASTM D2867
Hardness No % (w/w)	>99		ASTM D3802
pH*	6-8, 8-10, 9-11		ASTM D3838
ASTM particle size**	4x6, 4x8, 4x10		ASTM D2862
Attrition loss % (w/w)*	<1.5		AARL
Sulfur content (ppm)	<300		HC/LAB/STP
Iron content (ppm)	<100		HC/LAB/STP
Magnetic content % (w/w)	<0.01		HC/LAB/STP

*Products can be customized for specific requirements

**Tailor made particle sizes can be provided depending on process requirement



ecovadis



Characteristics	Benefits
High surface area	Enhanced catalyst loading capacity results in a larger surface area for catalytic reactions
Uniform porosity	The consistent diffusion paths ensure that the reactants have maximum accessibility to the active sites
Chemical inertness	Maintain performance when exposed to harsh chemical conditions
Superior hardness and abrasion resistance	Less particle disintegration and dust production during the procedure
Unique surface chemistry compared to other carriers	Seamless recovery of precious metals

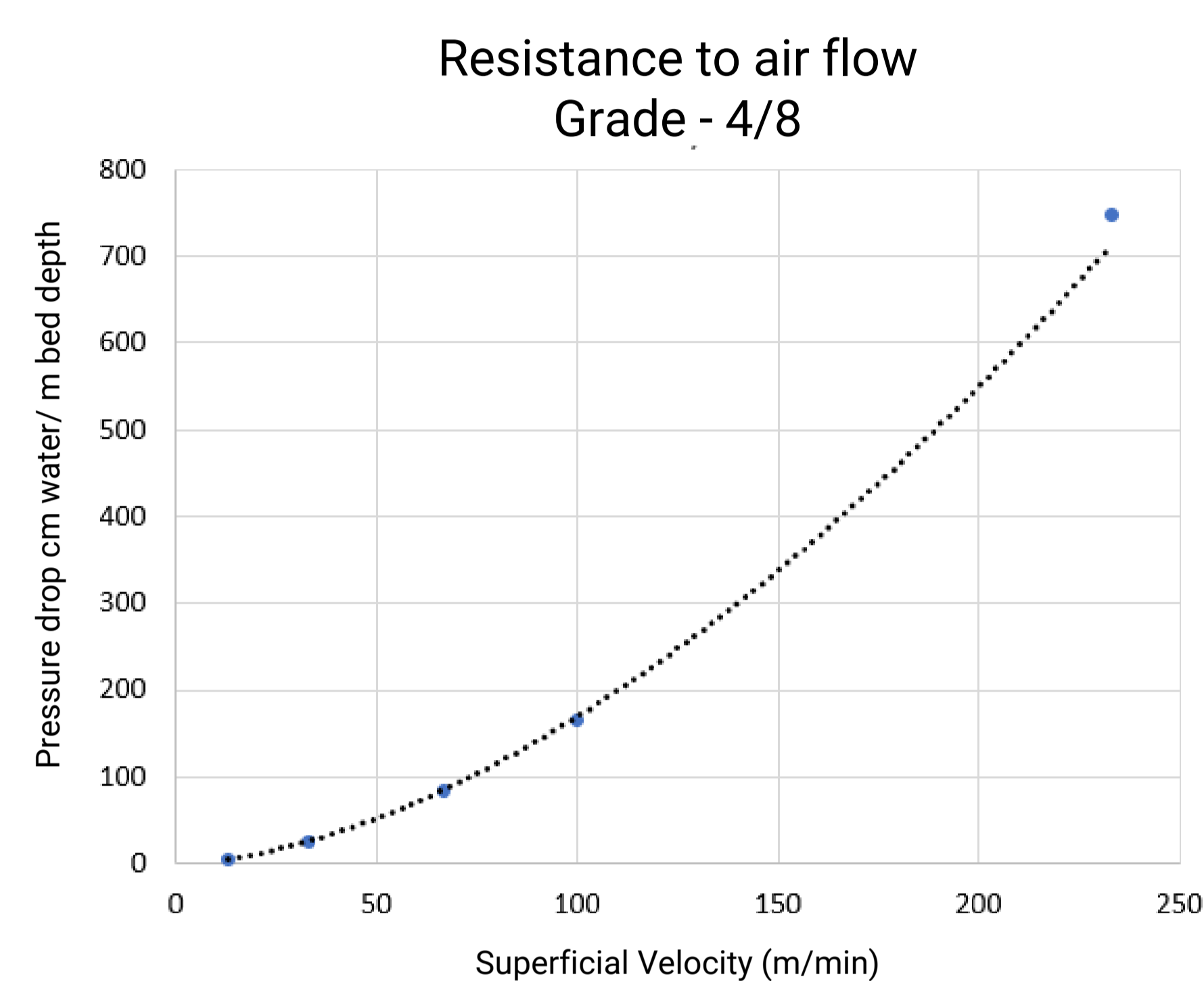
APPLICATIONS

- Chemical industry
- Petrochemical industry
- Pharmaceutical industry
- Fine chemicals production
- Environmental remediation
- Battery applications

Haycarb carbon serves as an effective catalyst support surface for a variety of catalysts, including:

- Precious metal catalysts (e.g. Gold (Au), Platinum (Pt), Palladium (Pd), etc.)
- Base metal catalysts (e.g. Cobalt (Co), Copper (Cu), Iron (Fe), Zinc (Zn), etc.)

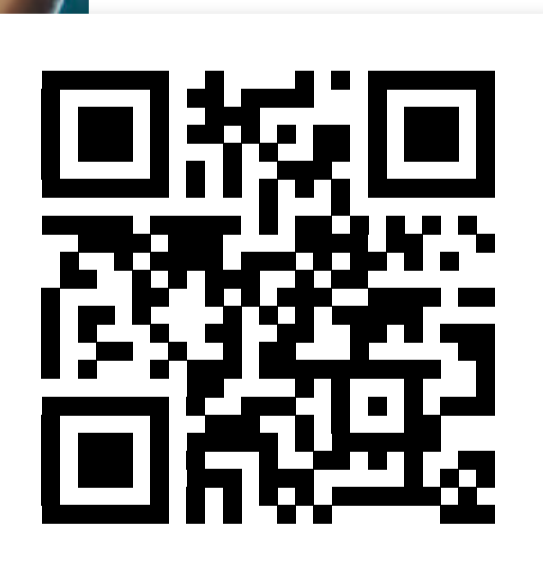
TYPICAL PRESSURE DROP CURVE



PACKAGING: Standard packaging is primarily designed to prevent the deterioration of accurately graded granules and to prevent the adsorption of moisture or atmospheric contaminants. Other packaging criteria can be accommodated upon request.

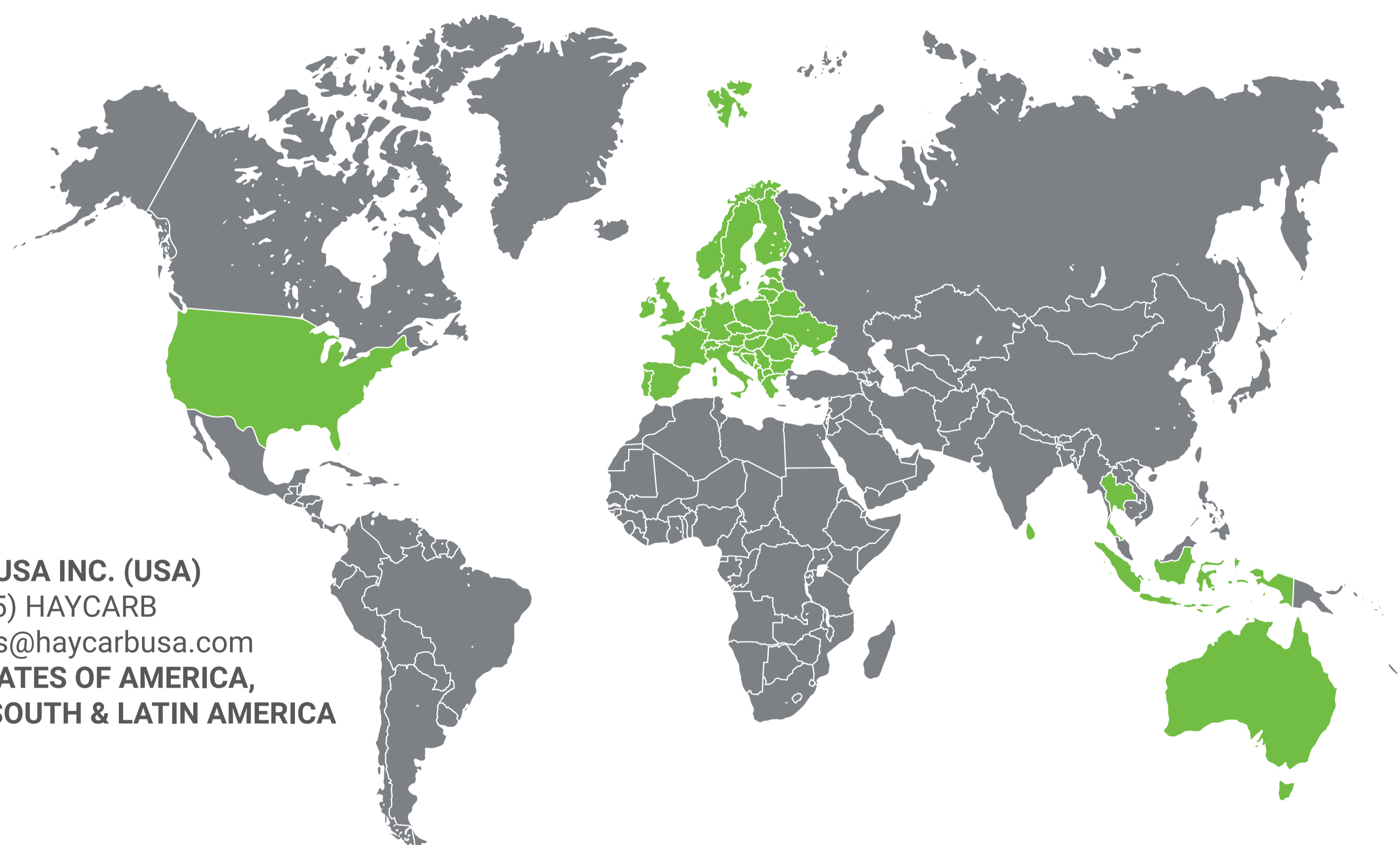
BULK BAG
Net. 500 kg

SACKS
Net. 25 kg



'ACTIVATE' Haycarb's
ESG roadmap 2030

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