

# ULTRA-PURE WATER

“Contaminant-free water for  
the electronics industry”

Contamination presents a critical challenge for electronics manufacturers, particularly in the semiconductor industry. Even trace amounts of impurities, measured in parts per million (ppm) or parts per billion (ppb), can lead to equipment failure or malfunction. To prevent the introduction of additional contaminants during the water purification process in the electronic industry, it is vital to use activated carbon capable of producing ultrapure water for the semiconductor industry.

Haycarb’s high-purity activated carbons used for industrial filtration solutions are specifically designed to eliminate dissolved and particulate matter, organic and inorganic compounds, and gases from influent or in-process water, safeguarding the delicate electronic circuits in electronic devices and purifying wastewater generated during production. This makes Haycarb a trusted supplier among leading semiconductor manufacturers.

Our coconut-shell-based carbon, known for its naturally low ash content, provides a significant advantage over coal and peat-based alternatives. Combined with proprietary acid-washing techniques, we deliver carbon products that meet the strict purity standards required in this highly specialized industry.

## TECHNICAL INFORMATION

Parameter	Value	Test Method
Iodine No. (mg/g)	900 - 1200	ASTM D4607
Particle size	12x40, 8x30	ASTM D2862
Apparent density (g/cc)	0.47	ASTM D2854
Hardness No. (%) min	98	ASTM D3802
Moisture content % (w/w) max	5	ASTM D2867

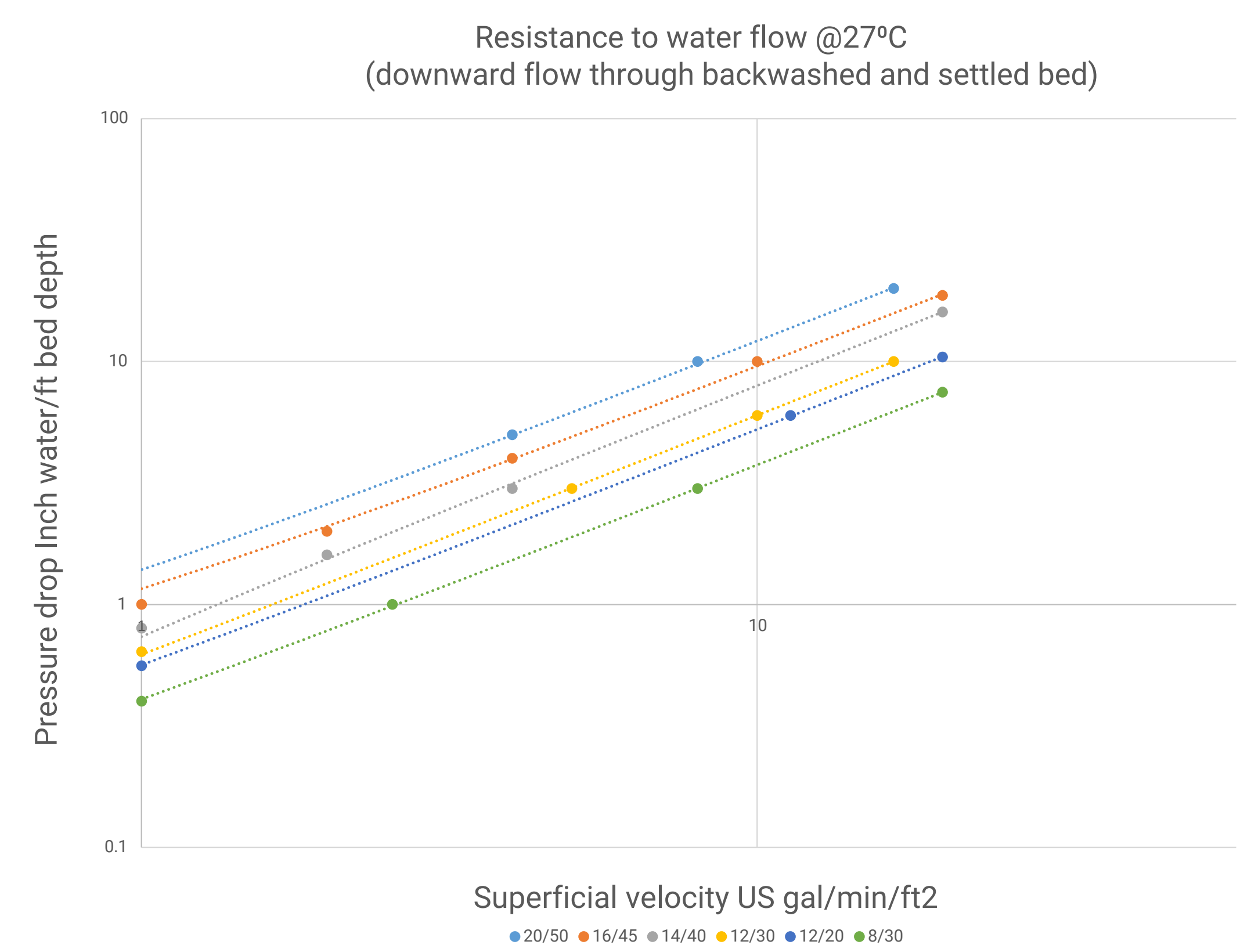
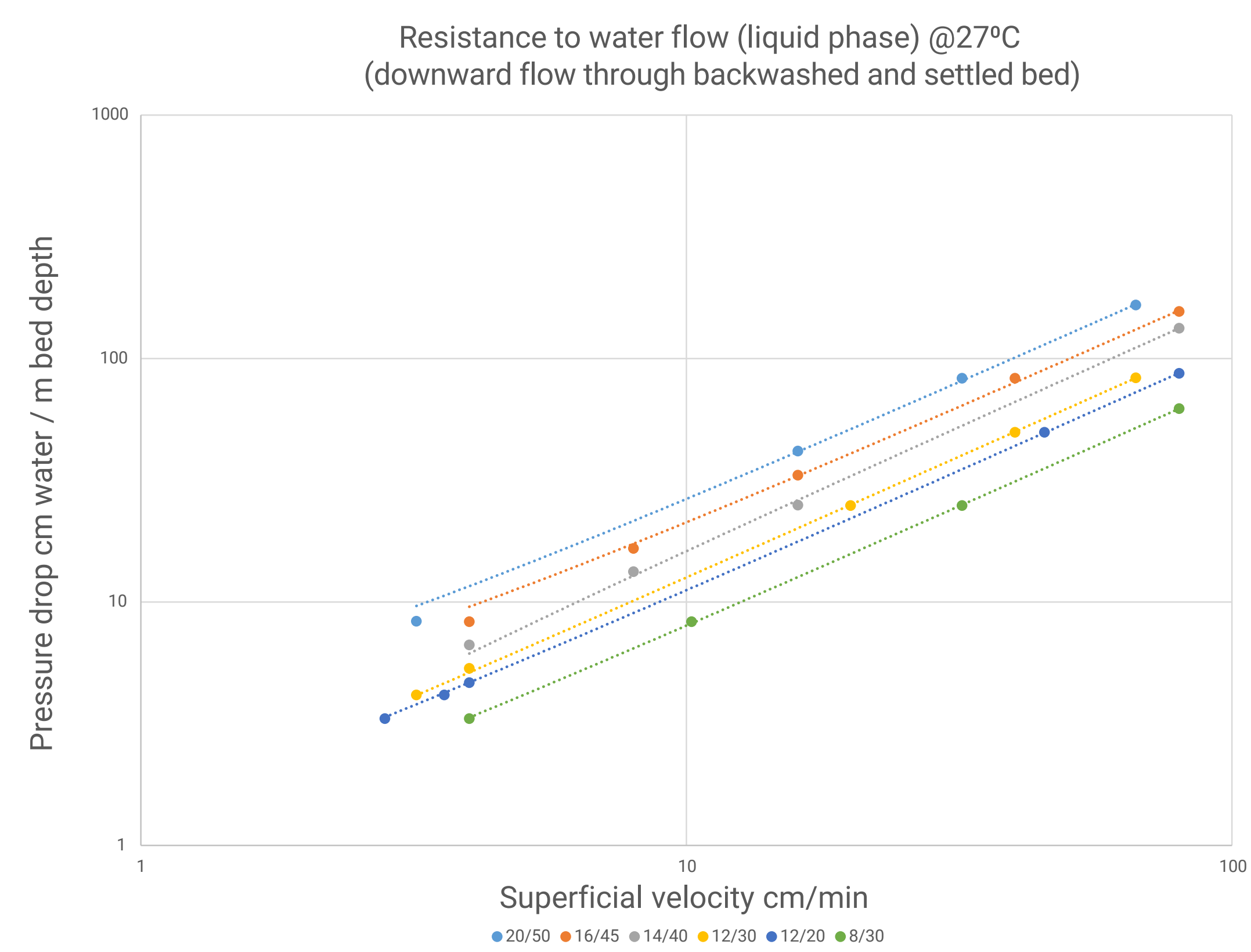
## BENEFITS

- Exceptional purity achieved through proprietary acid-washing processes
- Fast removal of dissolved organics, ions, and gases
- Extended product lifespan
- Prevents filter breakdown and degradation
- Significantly lower ash content compared to coal and peat-based activated carbon

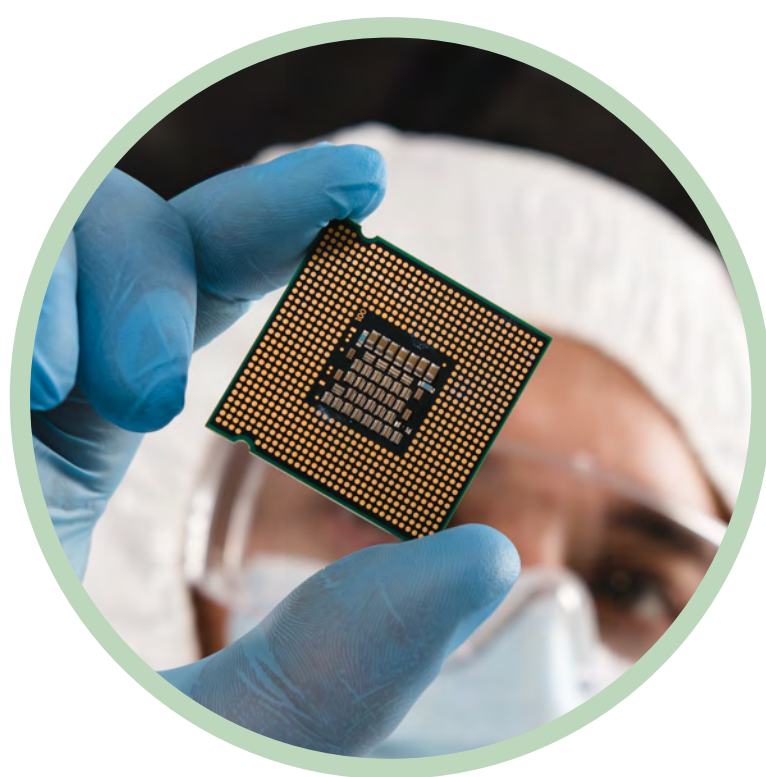




RESISTANCE TO WATER FLOW



APPLICATIONS



Semiconductor manufacturing



Electronics



Power generation



Chemical and petrochemical industries



Photovoltaics (solar cells) manufacturing



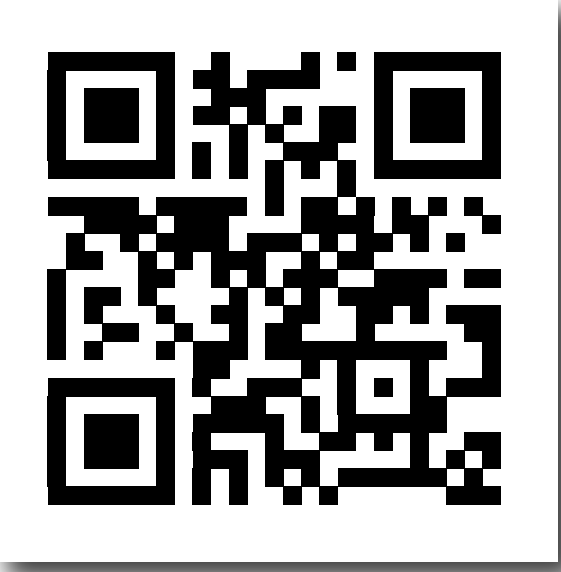
Food & Pharmaceutical manufacturing

**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

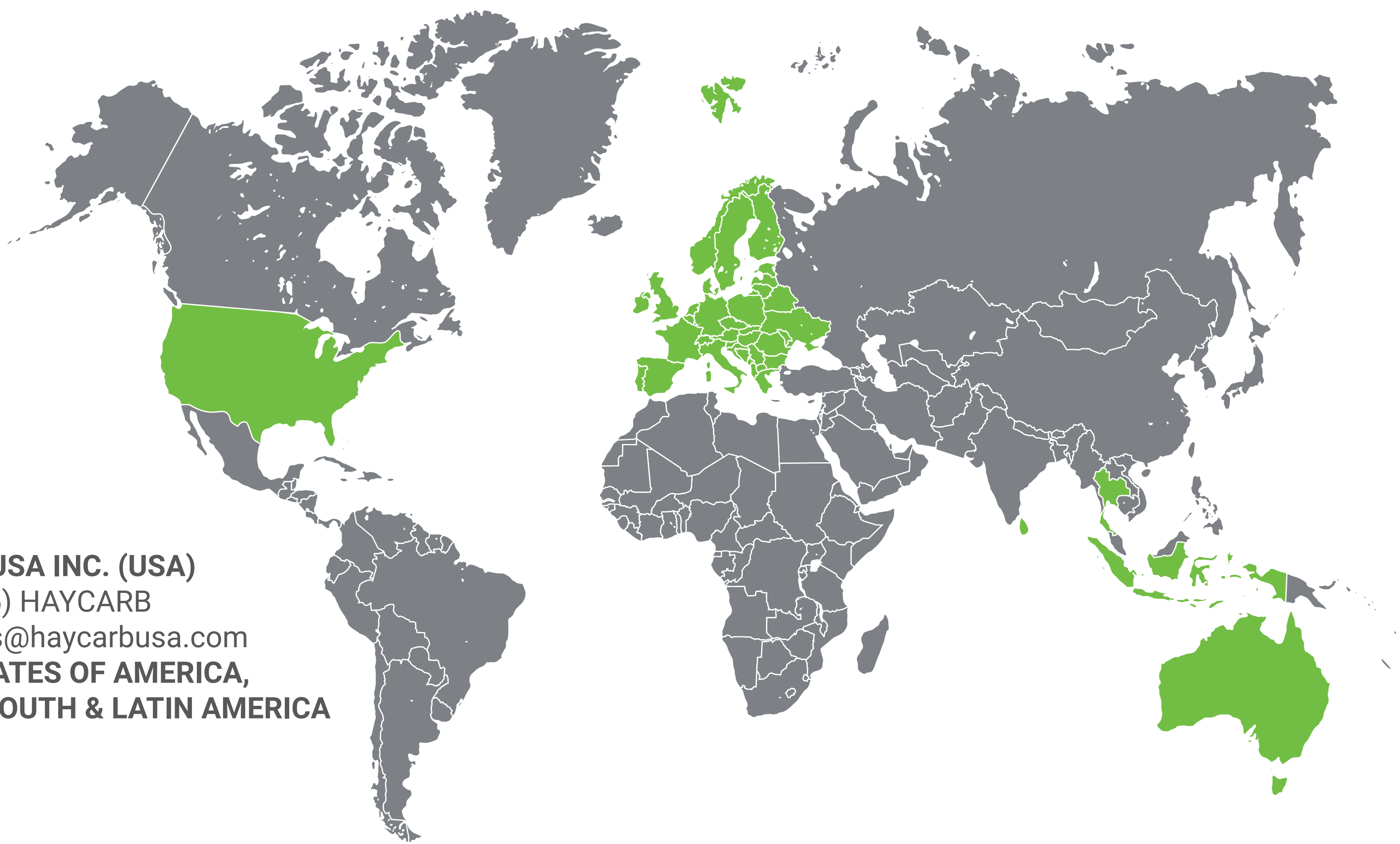
**SACKS**  
Net. 25 kg

**PE VALVE BAG**  
Net. 12.5 kg



'ACTIVATE' Haycarb's ESG roadmap 2030

CONTACT US



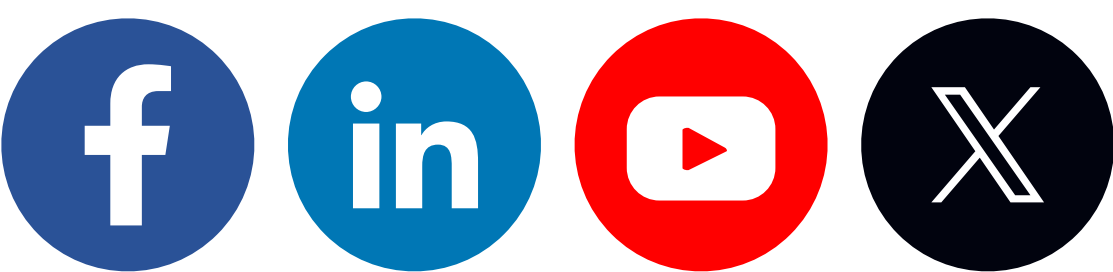
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