



**AVANT**

## AM-PSA

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**Characteristics:**

This product is a special adsorbent for pressure swing adsorption (PSA) gas separation devices. Pressure swing adsorption technology is widely used in petrochemical, chemical, metallurgical, environmental protection, food, electronics, aviation and other industries.

<b>Chemical analysis:</b>	$Al_2O_3$	$\geq 92$	$\geq 92$	%
	$SiO_2$	$\leq 0.10$	$\leq 0.10$	%
	$Fe_2O_3$	$\leq 0.04$	$\leq 0.04$	%
	$Na_2O$	$\leq 0.45$	$\leq 0.45$	%
<b>Physical properties:</b>				
<b>Static adsorption</b>		$18 \pm 1$	$18 \pm 1$	wt%
<b>Adsorption rate(water)</b>		$\geq 50$	$\geq 50$	%
<b>Bulk density</b>		$\leq 0.75$	$\leq 0.75$	g/ml
<b>Surface area</b>		$\geq 300$	$\geq 300$	$m^2/g$
<b>Pore volume</b>		$\geq 0.40$	$\geq 0.40$	ml/g
<b>Crushing strength</b>		$\geq 130(3-5mm)$	$\geq 150(4-6mm)$	N/Granule