

TECHNICAL DATA SHEET FOR MOLECULAR SIEVE

Items		D (1.6-2.5)mm								D (3.0-5.0)mm							
Classification		3A		4A		5A		13X		3A		4A		5A		13X	
Grade		I	II	I	II	I	II	I	II	I	II	I	II	I	II	I	II
Static water adsorption / % ≥		21.0	19.0	22.0	20.0	21.0	20.0	26.0	24.0	21.0	19.0	22.0	20.0	21.0	20.0	26.0	24.0
Wear rate / % ≤		0.25	0.50	0.20	0.60	0.10	0.20	0.10	0.50	0.25	0.50	0.20	0.60	0.10	0.20	0.10	0.50
Particle Rate / % ≥		98.0	96.0	98.0	90.0	96.0	95.0	98.0	90.0	98.0	96.0	98.0	90.0	96.0	95.0	98.0	90.0
Bulk density / (g/mL) ≥		0.75	0.65	0.68	0.65	0.66	0.62	0.64	0.59	0.75	0.65	0.68	0.65	0.66	0.62	0.64	0.59
Static formaldehyde adsorption / % ≥		-----		15.0	14.0	-----		-----		-----		15.0	14.0	-----		-----	
Static CO2 Adsorption (0°C±1°C) ≥		-----		-----		-----		20.0	18.0	-----		-----		-----		20.0	18.0
Static CO2 Adsorption (25°C±1°C) ≥		-----		-----		-----		18.5	16.5	-----		-----		-----		18.5	16.5
Crushing strength	Crushing strength (N/PC) ≥	85.0	55.0	35.0	30.0	30.0	25.0	30.0	20.0	100.0	60.0	80.0	60.0	70.0	60.0	85.0	65.0
	Relative standard deviation of crushing strength ≤	0.3		0.3		0.3	0.4	0.3		0.3		0.3		0.3	0.4	0.3	
Moisture / % ^a ≤		1.5		1.5		1.5		1.5		1.5		1.5		1.5		1.5	
Static ethylene adsorption / (mg/g) ≤		3.0		-----		-----		-----		3.0		-----		-----		-----	
Dynamic water adsorption / % ≥		2.0		-----		-----		-----		2.0		-----		-----		-----	
Static hexane adsorption % ≥		-----		-----		12.5	11.0	-----		-----		-----		12.0	10.5	-----	
Identity		Off white, off yellow or earthy red spherical particles without impurities															