

SILICYCLE[®] SPECIFICATION SHEET

SiliaBond[®] C18 (17%) Polymeric



PRODUCT NUMBER: R00230B
PARTICLE SHAPE: Irregular Silica Gel

COMPANY IDENTIFICATION

SiliCycle Inc, www.silicycle.com
 2500 Parc-Technologique Blvd
 Quebec City (QC) G1P 4S6
 CANADA

PHONE: 1 418.874.0054
TOOL FREE: 1 877.745.4292 (North America Only)
FAX: 1 418.874.0355
HOURS: Monday-Friday 8:00 a.m.-5:00 p.m. (EST)

Properties	Specifications	Analysis Methods
BARE SILICA SPECIFICATIONS		
Particle Size Distribution (vol.)		
D10 (µm)	23.4 - 41.1	Laser Diffraction
(Mean Particle Size) D50 (µm)	48.2 - 65.3	
D90 (µm)	75.5 - 96.0	
Specific Surface Area (m²/g, BET)	500 - 600	Nitrogen Adsorption / Desorption Method at 77K
Specific Pore Volume (mL/g, BJH)	0.80 - 1.00	
FUNCTIONALIZED SILICA SPECIFICATIONS		
Color	White Powder	Visual Test
Carbon Content (%)	≥ 16.8	CHNS Analyser
Molecular Loading (mmol/g)	≥ 0.78	Based on Carbon Content
Surface Coverage (µmol/m²)	≥ 1.99	Based on Molecular Loading
Endcapping	Yes	-
Purity (%)	≥ 99.95	GC-MS
Volatile Content (% , 110°C)	≤ 4.00	Moisture Balance

Revision date: 2012-05-01

Version: 1.1