

SILICYCLE[®] SPECIFICATION SHEET

SiliaBond[®] Phenylmethylchloride



PRODUCT NUMBER: R56530B
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 (µm)	40 - 63	Laser Diffraction
Pore Diameter (Å, BJH)	60	Nitrogen Adsorption / Desorption Method at 77K
Specific Surface Area (m ² /g, BET)	470 - 530	
Specific Pore Volume (mL/g, BJH)	0.70 - 0.85	
FUNCTIONALIZED SILICA SPECIFICATIONS		
Color	Off-white Powder	Visual Test
Chemical Structure	Peaks at 850-950, 1436, 2852 & 2927 cm ⁻¹	FTIR
Carbon Content (%)	≥ 9.55	CHNS Analyser
Molecular Loading (mmol/g)	≥ 1.14	Based on Carbon Content
Surface Coverage (µmol/m ²)	≥ 2.75	Based on Molecular Loading
Endcapping	Yes	-
Purity (%)	≥ 99.95	GC-MS
Volatile Content (%, 110°C)	≤ 4.00	Moisture Balance

Revision Date: 2009/03/23

Version: 1,1