File name: TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat

SasView version: 5.0.6

SasModels version: 1.0.7

Fit optimizer used: Levenberg-Marquardt

Model name: fractal+fuzzy_sphere+core_shell_sphere

Q Range: min = 0.000212067761, max = 0.025557500100000005

Chi2/Npts: 0.51774

scale = 0.00011397 ± 3237.5

background = 0.15 (fixed) cm^{-1}

fractal_fuzzysphere_coreshellsphere = (fixed)

A_scale = 1.5458 ± 9.9961e+07

A_volfraction = 0.04294 ± 3.3851e+06

A_radius = 307.58 ± 232.2 Å

A_fractal_dim = 6 ± 1e+08

A_cor_length = 0 ± 1e+08 Å

A_sld_block = 14.604 ± 9.9989e+07 10^{-6}/Å^2

A_sld_solvent = 8.9 (fixed) 10^{-6}/Å^2

B_scale = 0.25034 ± 1.1787e+07

B_sld = 14.177 ± 9.9555e+07 10^{-6}/Å^2

B_sld_solvent = 8.9 (fixed) 10^{-6}/Å^2

B_radius = 6904.9 ± 135.71 Å

B_fuzziness = 2870.2 ± 3264.4 Å

C_scale = 3.5113 ± 9.9742e+07

C_radius = 3216.2 ± 42.322 Å

C_thickness = 2033.3 ± 78.693 Å

C_sld_core = 13.232 ± 153.63 10^{-6}/Å^2

C_sld_shell = 10.351 ± 51.474 10^{-6}/Å^2

C_sld_solvent = 8.9 (fixed) 10^{-6}/Å^2

Distribution of A_radius = 1 ± 0.57955 Function: lognormal

Distribution of B_radius = 0 ± 0.22876 Function: lognormal

Distribution of B_fuzziness = 1 ± 1.3076 Function: lognormal

Distribution of C_radius = 0.050068 ± 0.013335 Function: lognormal

Distribution of C_thickness = 0.22536 ± 0.029601 Function: lognormal

Graph

Model Computation

Data: "TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat"

Intensity (cm^{-1}) vs Q(A^{-1})

M1 [TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat]
TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat

Residuals for M1[TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat]

Residuals(normalized) vs Q(A^{-1})

M1 A_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat]

M1 B_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat]

M1 B_fuzziness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat]

M1 C_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat]

M1 C_thickness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12070_sub_rebin_ang.dat]