File name: TAPBacetic38ACNphcn90C_eiger2_12140_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: 0.71263
scale = 0.00011639 ± 3186.7
background = 0.15 (fixed) cm^{-1}
fractal_fuzzysphere_coreshellsphere = (fixed)
A_scale = 1.6578 ± 9.9961e+07
A_volfraction = 0.046053 ± 3.4239e+06
A_radius = 346.91 ± 176.36 Å
A_fractal_dim = 6 ± 1e+08
A_cor_length = 0 ± 1e+08 Å
A_sld_block = 14.809 ± 9.9988e+07 10^{-6}/Å^2
A_sld_solvent = 8.9 (fixed) 10^{-6}/Å^2
B_scale = 0.22235 ± 1.0638e+07
B_sld = 13.96 ± 9.9617e+07 10^{-6}/Å^2
B_sld_solvent = 8.9 (fixed) 10^{-6}/Å^2
B_radius = 7235.5 ± 130.41 Å
B_fuzziness = 2540.5 ± 3847.4 Å
C_scale = 3.6454 ± 9.9808e+07
C_radius = 3325.7 ± 33.569 Å
C_thickness = 2042.2 ± 68.796 Å
C_sld_core = 13.025 ± 110.71 10^{-6}/Å^2
C_sld_shell = 10.367 ± 39.409 10^{-6}/Å^2
C_sld_solvent = 8.9 (fixed) 10^{-6}/Å^2
Distribution of A_radius = 0.87329 ± 0.3239 Function: lognormal
Distribution of B_radius = 0 ± 0.28499 Function: lognormal
Distribution of B_fuzziness = 1 ± 1.8533 Function: lognormal
Distribution of C_radius = 0.02624 ± 0.019794 Function: lognormal
Distribution of C_thickness = 0.24043 ± 0.028879 Function: lognormal

Graph

Model Computation
Data: "TAPBacetic38ACNphcn90C_eiger2_12140_sub_rebin_ang.dat"

Top panel:

M1 [TAPBacetic38ACNphcn90C_eiger2_12140_sub_rebin_ang.dat]

TAPBacetic38ACNphcn90C_eiger2_12140_sub_rebin_ang.dat

Y-axis: Intensity(cm^{-1})

X-axis: Q(A^{-1})

Bottom panel:

Y-axis: Residuals(normalized)

X-axis: Q(A^{-1})

Residuals for M1[TAPBacetic38ACNphcn90C_eiger2_12140_sub_rebin_ang.dat]

M1 A_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12140_sub_rebin_ang.dat]

M1 B_fuzziness polydispersity [TAPBacetic38ACNphcn90C_eiger2_12140_sub_rebin_ang.dat]

M1 C_radius polydispersity [TAPBacetic38ACNphcn90C_eiger2_12140_sub_rebin_ang.dat]