XRD Data with Crystallinity Analysis and Peak Detection (33.29, 4137.00) Original XRD Data 4000 Baseline (Amorphous) Crystalline Area Detected Peaks (35 78, 3338.00) $FWHM = 0.22^{\circ}$ 3000 Intensity (a.u.) 2000 -(54.18, 1831.00) (49.56, 1448.00) (24.29, 1269.00) $(62^{(64,1)},\frac{1}{10},\frac{1}{1$ (40.99, 971.00) 1000 (**5**7.67, 376.00) 0 -

50

2θ (degrees)

60

70

80

90

20

30

40