Moxtek is a leader in polymer windows for light element detection in XRF and EDS. Moxtek’s polymer windows are found on most EDS detector systems throughout the world. When polymer windows are encapsulated on a detector, they are currently limited to 40°C with differential pressure. Many manufacturers would like to go to higher temperatures for quicker and more effective outgassing of the detector assembly. To meet this request, Moxtek will show how we have pushed the temperature limits of both AP3 and AP5 windows, with and without differential pressure. Moxtek windows are made of various layers of material to minimize x-ray absorption and light transmission. To improve x-ray transmission, Moxtek is exploring different variations of our current polymer windows to offer more options.