

## **Analysis of Hot Centrifugation Parameters and Mesophase Pitch Content Characterization**

### **Abstract**

The degree of anisotropy of a pitch is one of the most important parameters to characterize a pitch, mainly due to the influence of anisotropy on other pitch properties. The standard method to determine the degree of anisotropy of a pitch (ASTM D4616) is restrict to anisotropy levels up to 20%, a very low degree compared to the fabrication of pitch state of art. Thereby, the searching for alternative, practical and efficient solutions to characterize anisotropy became recurrent subject of studies. This work objectives to analyze the time and temperature effects of hot centrifugation on mesophase content precision and propose a method for determining the anisotropy content based on hot centrifugation and density variation of mesophase and isotropic pitch.