Abstract
Nowadays the different routes for the processing of semisolid metals, or rheocasting technologies have been multiplied. One of these techniques, known as New Rheocasting Process (NRCTM: New Rheocasting Process), has been used to investigate additional mechanisms that allow a fine globular morphology in the alloy A-356. The SEM analysis shows globular grain morphology. The hardness of the material was already 55HB, and it was enhanced to 110HB after a solution treatment.

Keywords
Alloy A-356, controlled cooling, semisolid metallurgy, mechanical properties, rheocasting