

Presentation Abstract for Rodolfo Bayona – Dow Coatings Materials

“New performance enhanced WB dispersions based on BLUEWAVE* dispersion technology”

BLUEWAVE* technology is a continuous mechanical process that, in combination with specialty surfactants at low levels, allows for uniquely stable dispersions of a variety of traditional thermoplastic and thermoset polymers and elastomers. Traditionally not considered in coatings applications, the resulting dispersions may be up to 60% solids, creating solvent free, liquid in liquid or solid in liquid dispersions, hybrids or formulated products. This technology allows formulators to develop enhanced performance solutions that enable low to zero VOC paints using traditional and new polymer chemistries. Examples of the performance benefits from using BLUEWAVE* dispersion technology will be discussed, most notably in systems utilizing epoxy resins and polyolefin's for industrial coating applications. We will also discuss other markets where this technology could prove beneficial.

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