

AGS TECHNOLOGY CASE STUDY: BASELESS VIRGIN MATERIAL PRICE INCREASES

PRODUCT PROFILE

Industry:	Water Tank Systems (Commercial and Residential)
Applications:	Tank Bases
Material Description:	ABS+PC Blend
Requirements:	• Impact Strength • Heat Resistance • Corrosion Resistance • Dimensional Stability

CUSTOMER ISSUE

An OEM of water tank systems was receiving major price increases on virgin, high impact ABS used for tank bases molded in-house. In addition, high warranty claims on bases deforming with larger storage tanks in hot climates was driving an expensive part engineering change.

AGS INJECTION MOLDING SOLUTION

The OEM outsourced the injection molding of their tank bases to AGS Technology. By replacing virgin high impact ABS with Injectoblend™ FABSPC003, AGS Technology was able to provide piece part cost savings exceeding 12%. This savings takes into account specific gravity differences between the two materials. In addition, the OEM avoided a costly mold design change and improved the field performance of their product given the higher heat resistance and toughness of the Injectoblend™ ABS+PC when compared to virgin high impact ABS.

