



## Foster Corporation: Quality Lab Tests & Services

### Standard Testing per Manufactured Lot:

Ash Testing (%)  
Color Test (Visual Analysis)  
Contamination (Visual Impurities)  
Pellet Size  
Porosity / Strand Surface

*(Please note: PVC compounds with filler require Specific Gravity instead of Ash. Certification is valid for one year from the date of manufacture. Recertification of material for an additional year is available upon request).*

### Additional Testing Services

Raw Material or Compound samples  
Bulk Density *per ASTM D189*  
TAPPI Dispersion *per T564 or T213*  
Flat Down  
Pellet Weight  
Durometer (Shore A or D) *per ASTM D2240*  
Specific Gravity *per ASTM D792*  
Resistivity *per ASTM D257*  
Conductivity *per ASTM D257*  
Color Match using L\*a\*b\* analysis (Spectrophotometer)  
L\*a\*b analysis (Spectrophotometer)  
Critical Color Match (customer approved match)  
Melt Flow Index (MFI) *per ASTM D1238*  
Capillary Rheometer (Viscosity) *per ASTM D3835*  
Fourier Transform Infrared (FTIR) spectroscopy (Qualitative)  
Thermal Gravimetric Analysis (TGA) *per ASTM D3850*  
Differential Scanning Calorimetry (DSC) *per ASTM D3418*  
Molding ASTM Test Specimens (requires 5 lbs)  
Flexural Modulus + Molding *per ASTM D790*  
Tensile & Elongation + Molding *per ASTM D638*

### Report Generation

*Standard Report includes basic analysis of data and summary*

### Statistical Data Analysis

### FTIR Spectroscopy (Quantitative)

*Standards development will be required as part of setup*

### Accelerated Aging *per ASTM D618 / F1980*

#### Foster Corporation

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