



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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