

- **EQUIPMENT** – The Tech Center has the following equipment/test capabilities:

| Equipment | Test |
|--|---|
| SQCPack Software | SPC charting, Capability studies, Gage R&R studies |
| Datacolor Spectraflash SF450X | Color Measurement |
| Keil Tester | Peel Strength |
| CSI Oil Tank | Vicat, HDT |
| Lloyd Tensometer | Tensile, Tear, Flexural, Compression, 90° Peel, CoF |
| TA Instruments Differential Scanning Calorimetry (DSC) | Melting Point, Recrystallization, Glass Transition |
| TA Instruments Thermogravimetric Analysis (TGA) | Temperature related Weight Loss |
| Thermo Electron FT-IR | Material Identification |
| Q-Panel QUV Weatherometer | Accelerated Weathering |
| Q-Panel Xenon Weatherometer | Accelerated Weathering |
| TMI Notched Izod | Impact Strength |
| Gardner Impact | Impact Strength |
| Dynatup Instrumented Impact | Impact Strength |
| Battenfeld Injection Press | ASTM Test Bars |
| Production Scale Co-Extrusion Line | Up to 3-Layer Material Trials |
| Lab Scale Extrusion Line | Mono-Layer Material Trials |
| 2-Roll Mill | Mixing/Compounding |
| Tinius Olsen Melt Index | Flow Rate |
| Tantec Contact Angle Meter | Surface Treatment |
| Omnimark Moisture Balance | Moisture Content |
| MacBeth Densitometer | Opacity/Transmission |
| Micromeritics Pycnometer | Density/Specific Gravity |
| Taber Multi-Finger Scratch/Mar | Surface Integrity |
| Polarized Light Box | Stress/Contamination |
| Landsco Light | Surface Defects |
| Muffle Furnace | Ash/Carbon |
| Gloss Meter | Surface Gloss |
| Surface Resistivity Meter | Conductance |
| Environmental Chamber | Sub-Ambient Conditioning |

- **ADDITIONAL EQUIPMENT** – The Tech Center also utilizes a heated press, gram scale, microscope with digital camera, ionized air blower, light meter, static meter, haze meter, Microview cap gauge, Shore A & D Durometer, circulating air oven, vacuum oven, heat gun, and IR thermometer. The Lab can also perform orientation testing and test form material using a MAAC single-end shuttle former featuring 36x48” platens. FT-IR, NMR, HPLC, and scanning electron microscopy are available locally through the Chemistry Department at Earlham College. When necessary, third party A2LA certified test labs are contracted.
- **SUPPLIERS** – Primex Plastics maintains close relationships with our suppliers. As part of that relationship, the Tech Center works directly with supplier Technical Representatives to analyze and solve material and product problems.
- **STAFF** – The Tech Center is supported by the Applications Development Coordinator and the Lab Technician. Additional support is available from the Commercial Development Manager, the Process Engineering & Development Manager, and the Director of Quality.