

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

<b>Equipment</b>	<b>Test</b>
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.