

DEGRADATION / FAILURE MECHANISM / EFFECTS OF TEMPERATURE

Using several techniques and equipment, determination of main thermal properties of a material as well as the analysis of failure mechanism or degradation process can be obtained.

WHAT CAN WE DO?



- Structural and elemental analysis. Analysis of the thermal properties of the material: specific heat, diffusivity and thermal conductivity.
- Determination of temperature events such as melting, evaporating points or other phase transitions, enthalpies, mass changes and crystallinity degree.
- Analysis of the gas evolved during a degradation.
- Mapping of side products or contaminants during a degradation or failure.



WE OFFER



TURNKEY SOLUTION



CONSULTING ABOUT THE PROBLEM



TRAINING ON THE SPECIFIC TECHNIQUES



JUST PLATFORM

HOW?

Electron Microscopy (EM)	Surface Analysis Unit (SAU)	Nuclear Magnetic Resonance (NMR)	X-Ray Diffraction (XRD)	Thermal Analysis platform (TA)	General characterization service (GCS)
TEM edx-TEM SEM	XPS UPS SAM	ssNMR pNMR NMR	XRD	STA QMS DSC	GC-MS
e-SEM edx-SEM	FTIR RS			LFA DIL	
	PME				

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