



HUMAN HEALTH

ENVIRONMENTAL HEALTH

BETTER INSIGHTS FOR BETTER POLYMERS

PerkinElmer advanced solutions for polymers

With stricter regulations for polymers, packaging and polymer recycling, quality control becomes an essential part of any production process. PerkinElmer offers innovative solutions for QA/QC, failure analysis and the determination of organic pollutants that meet the increasingly stringent requirements of European standards.

With our instruments and expertise we can help you:

- Save money and ensure effective quality control
- Streamline your processes for outstanding operational efficiency
- Implement cost effective solutions by reverse engineering
- Track your products to meet European standard requirements
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www.perkinelmer.com/recycling

Take a look at our extensive library with
over 280 application notes and request
more information on our turnkey
solutions offers for packaging analysis

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ADVANCED SOLUTIONS FOR POLYMERS AT A GLANCE

The polymer market consists of a huge diversity of manufacturers of industrial products running many different processes, yet still facing similar challenges. There is more and more pressure to achieve high product quality and reduce costs in order to stay one step ahead of the competition. Our comprehensive portfolio of thermal analysis, molecular spectroscopy, chromatography and hyphenated techniques is the ideal choice for ensuring the quality and reliability of polymers while meeting your daily challenges and regulations in a more cost efficient way.

APPLICATION & SOLUTION	 DSC	 TGA/STA	 TMA/DMA	 IR	 GC/HEADSPACE	 SPOTLIGHT
Failure Analysis	✓	✓	✓	✓	✓	✓
Humidity/Volatiles	✓	✓		Hyphenated	✓	
Polymerblends	✓	✓	✓	✓		
Material & Processing Properties	✓	✓	✓		✓	
Thermal Stability	✓	✓	✓			
Melting/Crystallization, Crystallinity	✓		✓			
Glass Transition	✓		✓			
Kinetic	✓	✓				
O.I.T. Oxidative Stability	✓	✓				
Curing & Crosslinking Properties	✓		✓			
Specific Heat Capacity Cp	✓					
Weight Change, Additives, Carbon Black Content, Filler		✓				
Expansion Coefficient, Dampening Properties, Elasticity, Creep, Relaxation			✓			
Material Identification				✓		✓
Residual Monomers					✓	

Don't delay, contact PerkinElmer today to get more information on the offers and download all the latest applications on polymers! Phone: 0800 89 60 46, e-mail: cc.uk@perkinelmer.com

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