

GPC/SEC is one of them.

GPC-IR® is the only HT-SEC system with an IR5 MCT detector so sensitive, it delivers the most Stable Baseline for Polyolefin analysis.

GPC-IR®, the HT-SEC system for Polyolefin Analysis



The highest sensitivity allows reducing the amount of sample injected into the column while still maintaining an excellent baseline and signal-to-noise ratio.

Unparalleled baseline stability reached in a short time without being affected by temperature changes in the environment.

Unique and comprehensive analysis through continuous and simultaneous measurement of chemical composition (SCB) along MMD.

Full automation of sample preparation including filling the vials with solvent and in-line filtration with backflush rinsing.

Minimized sample degradation thanks to exact timing applied to each vial for dissolution, gentle shaking, and a purge of nitrogen into vials.

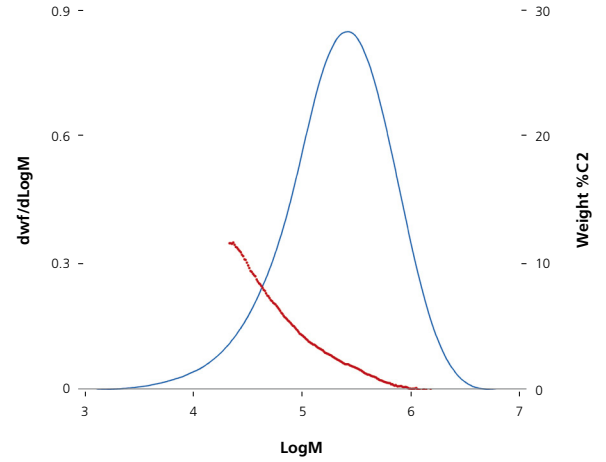
Extended lifespan of columns by locating them in a separate oven where they can always remain at the same temperature.

Polymer Char

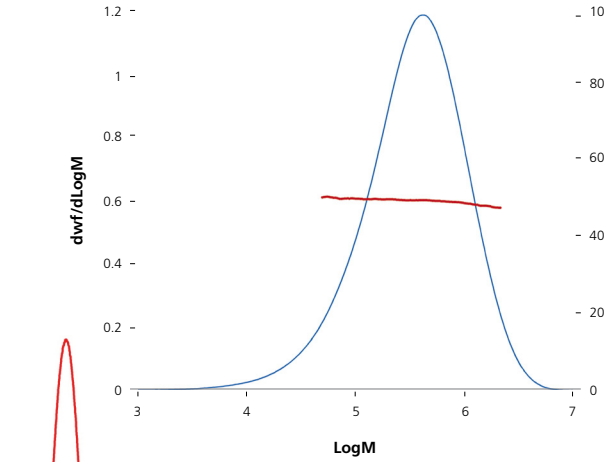
www.polymerchar.com

Some jobs call for the
Perfect Stability

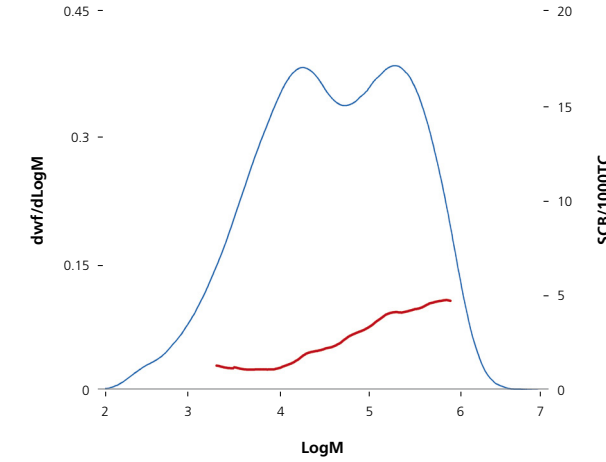
Ethylene Propylene Copolymer



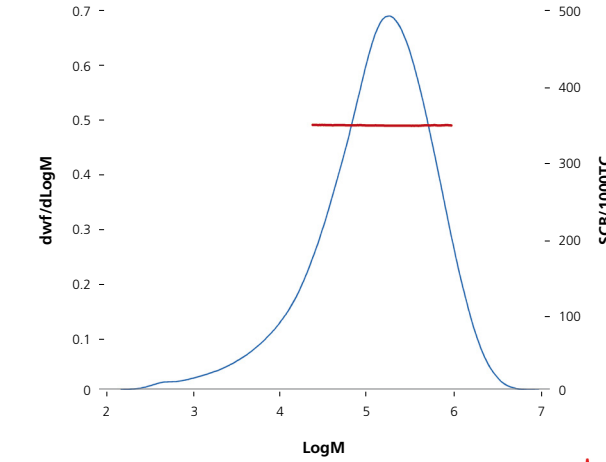
S.S.C. resin



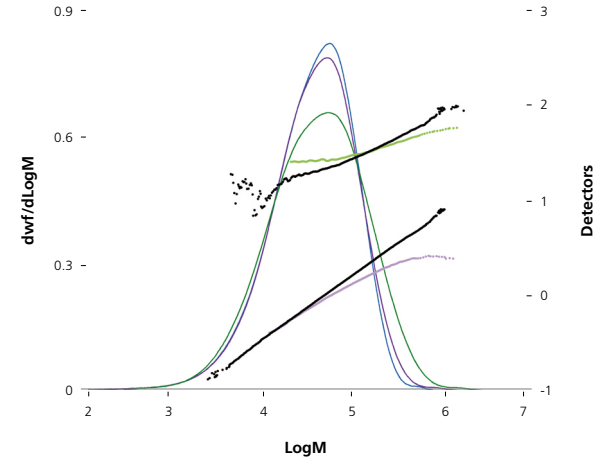
Bi-HDPE



Polypropylene



LDPE



Analysis Conditions
GPC-IR® analysis of duplicate injections:
3 columns HT linear range calibration
T = 150° C
F = 1 ml/min
Solvent = TCB
Injection volume = 200 µL
IR5 MCT integrated detector:
Concentration and Composition
Triple detector:
IR concentration 1mg/mL
4 capillary viscometer
LS Wyatt 8 angles
Flow marker:
Heptane

