

# Polystyrene-acrylate Copolymer Analysis by Pyrolytic Analysis System of YL

## 1. Analytical Condition

### YL Pyrolytic Analysis System

#### **Pyrolysis system condition**

Pyroprobe temp. : 600 °C (10 sec)

Interface temp. : 280 °C

#### **GC system condition**

Oven : 50°C (3 min)- 20 °C/min-270 °C(1 min)

Column : HP-5 (30m\*0.32mm\*0.25um)

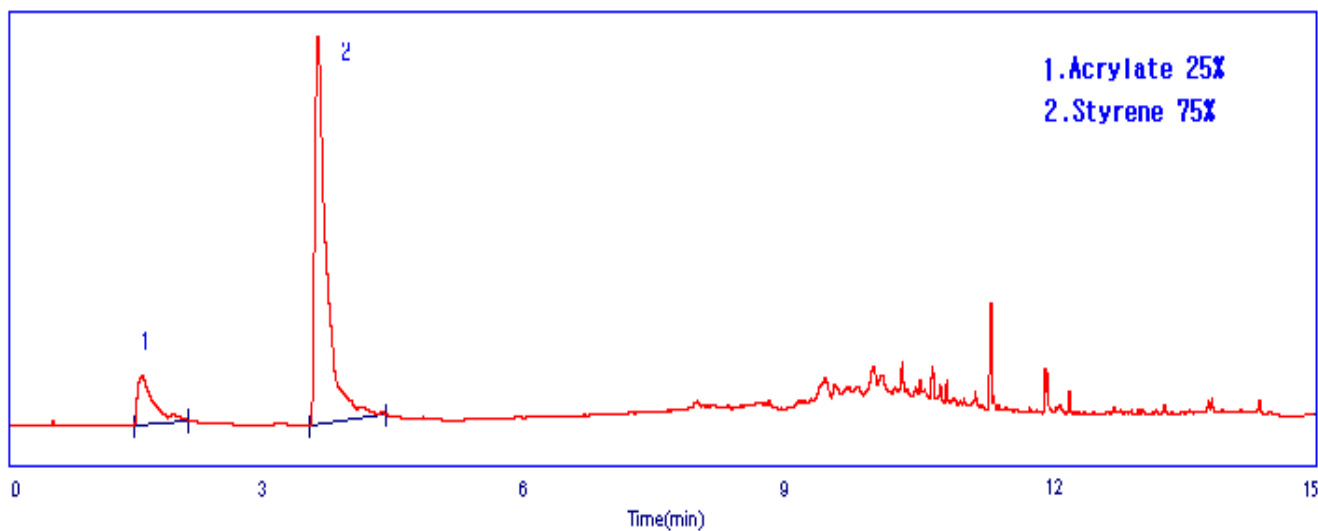
Carrier gas : He, 3.0 ml/min (Split ratio 10:1)

Injector for Capillary : 250°C

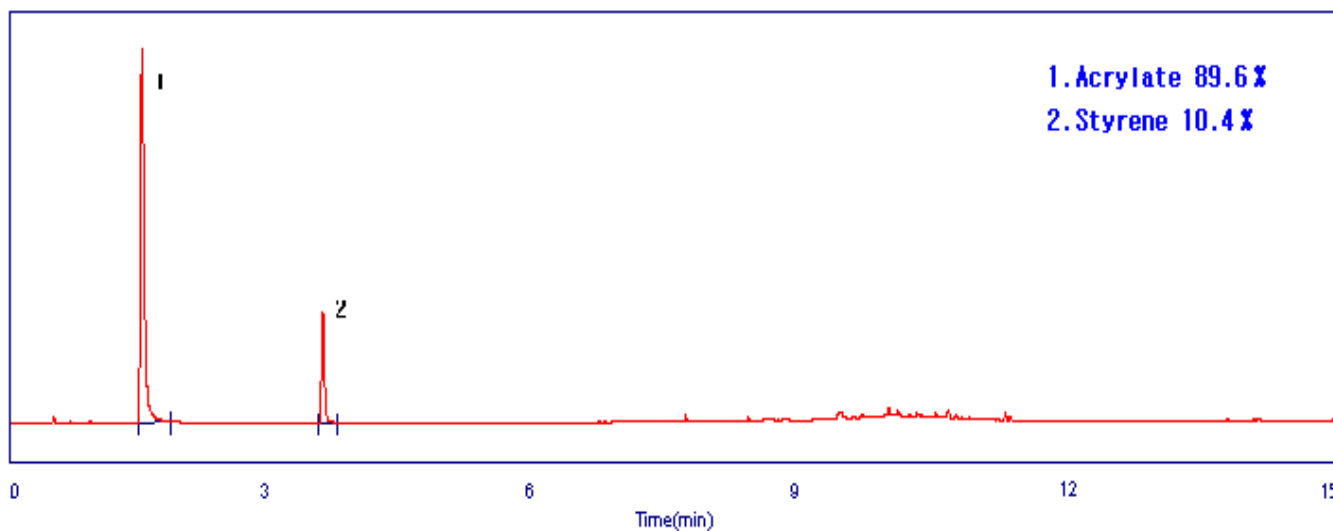
Detector : FID 250°C

Sample : Polystyrene-acrylate copolymer

**2. Chromatogram**



Copolymerization polymer at the ratio of 25:75 of Acrylate and Styrene composed



Polymer sample

