

did you know?

Intermediate polarity porous polymer Rt™-QSPLIT columns—100% resolution of ethylene, acetylene, and ethane.

Rt™-QSPLIT Columns

Restek has developed unique polymer technology and coating processes, to make excellent porous polymer PLOT columns. Unlike molecular sieve and alumina columns, porous polymer PLOT columns are not moisture sensitive, making them particularly useful for applications in which moisture is of major concern.

Chromatographic selectivity, in terms of polarity or chemical functionality, can be modified by incorporating polar functional groups in the styrene/divinylbenzene matrix. The least polar, or nonpolar, Rt™-QPLOT columns are made with divinyl benzene. Rt™-SPLOT columns incorporate 4-vinylpyridine, providing intermediate polarity. The new Rt™-QSPLIT column has been engineered to have a polarity between the Rt™-QPLOT and Rt™-SPLOT columns. The Rt™-QSPLIT column fully resolves ethylene, acetylene, and ethane.

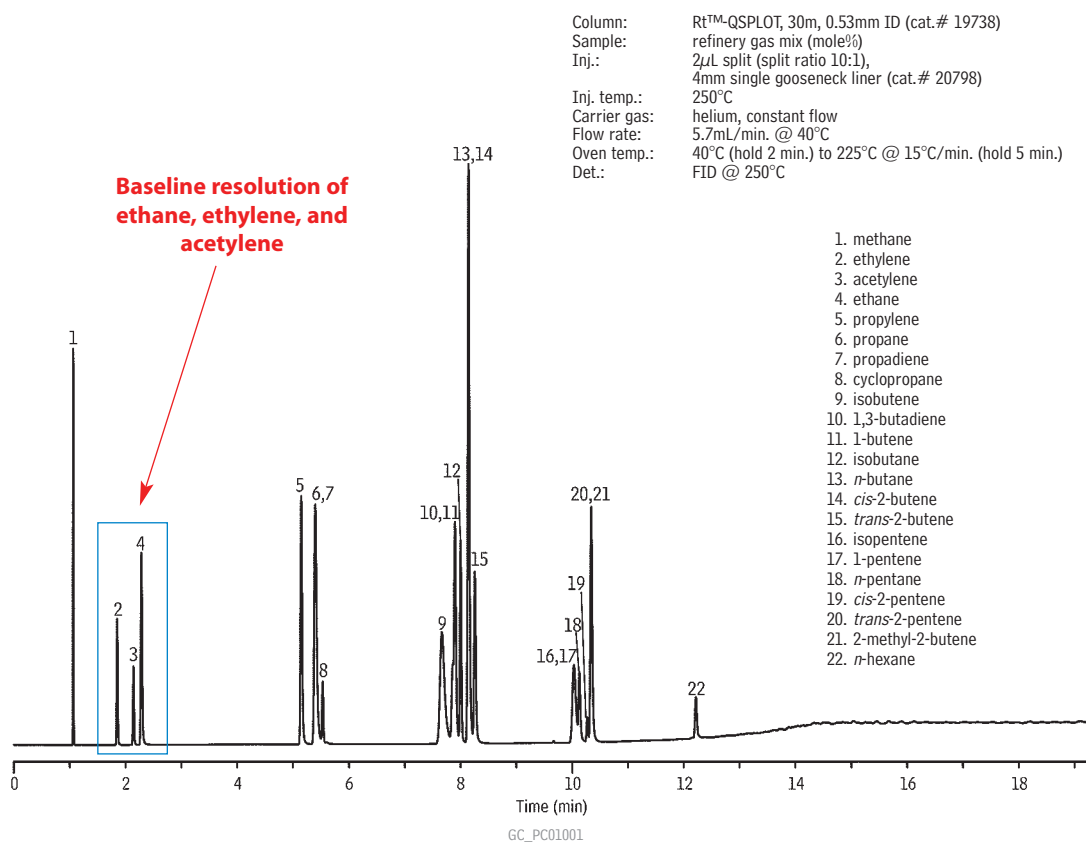
Rt™-QSPLIT columns can be used for a wide variety of separations. Permanent gases can be separated at subambient temperatures. Gases such as CO and CO₂ can be analyzed on the Rt™-QSPLIT columns. These columns also are designed for analysis of various polar and nonpolar solvents.

Rt™-QSPLIT Columns (fused silica PLOT)

porous divinyl benzene homopolymer

ID	df (μm)	temp. limits	15-Meter	30-Meter
0.32mm	10	-60 to 270/290°C	19739	19740
0.53mm	20	-60 to 270/290°C	19737	19738

Refinery gas mix on an Rt™-QSPLIT column.



www.restek.com