

**A PROCESS TO PRODUCE A HYDROCARBON RUBBER CEMENT
UTILIZING A HYDROFLUOROCARBON DILUENT**

Abstract

Provided for herein is a process to produce an essentially homogeneous single liquid phase, hydrocarbon-rubber cement from a polymer slurry comprising a hydrocarbon-rubber, a diluent, and unreacted monomer(s), the process comprising: (a) contacting the polymer slurry with a hydrocarbon solvent; and (b) removing the diluent in amounts not sufficiently more than is necessary to produce the essentially homogeneous single liquid phase hydrocarbon-rubber cement wherein the mass fraction of monomer(s) in the hydrocarbon-rubber cement, based on the total amount of hydrocarbon-rubber present in the hydrocarbon-rubber cement, is less than the mass fraction of monomer(s) in the hydrocarbon-rubber slurry, based on the total amount of hydrocarbon-rubber present in the hydrocarbon-rubber slurry, wherein the diluent comprises a hydrofluorocarbon.

Figure 1