

## **Propylene random copolymer, method for its preparation, and compositions and articles containing the same**

### **Abstract**

The present invention relates to a propylene-butene-1 random copolymer which has a butene-1 content of 1-6 mol% and a relative dispersity of butene-1, as determined according to NMR method, of greater than 98.5%. The propylene-butene-1 random copolymer of the present invention has a high relative dispersity of butene-1, as well as better transparency and heat resistance, so that it is more suitable for packaging food that may be edible after heating. Moreover, the copolymer has a lower xylene solubles content at room temperature. In addition, the present invention further relates to a method for preparing the copolymer and to a composition and an article comprising the copolymer.

No Figure