Moplen RP2965

Good creep resistance random copolymer polypropylene for compound applications

Moplen RP2965 advanced PP copolymer with medium melt flow rate produced using state of art Spherizone technology with hexene comonomer.

This product design offers significant improvement in the creep resistance especially at high temperatures, making it a good candidate for automotive compounding applications. Compounds based on RP2965 can potentially replace some of the glass filled nylon applications

Properties	Test Method	RP2965
Melt flow rate (230˚C / 2.16 kg), g/10min	ISO 1133-1	20
Density, g/cm3	ISO 1183-1	0.9
Tensile strength at yield, MPa	ISO 527	35.4
Flexural modulus, MPa	ISO 178	1430
Charpy Impact Strength - Notched, (23 ˚C)	ISO 179	2.9
Deflection temperature, at 455 kPa, ˚C	ISO 75B	91

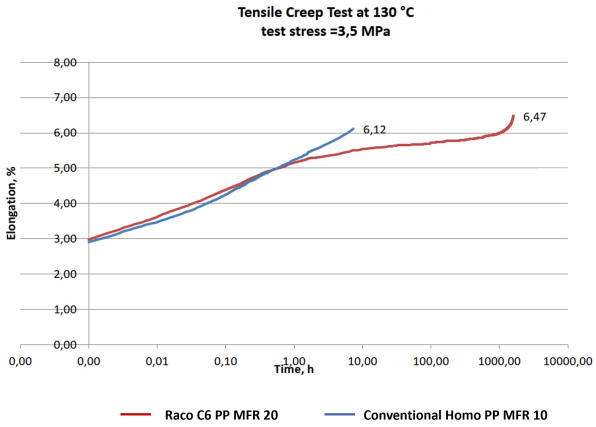
KEY FEATURES

- Superior creep resistance, especially at high temperatures
- Good stiffness and impact balance
- Good dimensional stability
- Good flowability

TYPICAL APPLICATIONS

- Automotive components that need high temperature creep performance
- Glass filled compounds for nylon / metal replacement
  Some examples include
- Coolant system components, radiator mounting frame etc

Superior high temperature creep resistance of C6 PP Raco vs PP Homo



FOR MORE INFORMATION

HMC Polymers Sales
E-mail: sales@hmcpolymers.com
Tel.: +66 2614 3700

You can find out more by visiting our website at: hmcpolymers.com