prepolymer in order to crosslink and harden the material permanently.

[010] Thermoplastic polymers consist of linear or branched polymers, which are usually not crosslinked.

[011] However these kind of core-shell particles or scattering particles are not easy to disperse or fast to disperse in all kind of resins or polymers or precursors to polymers, especially for example in liquid epoxy resins or liquid monomers or other liquid polymeric precursors.

[012] A good homogenous and fast dispersion is necessary for having satisfying impact performance or scattering performance in the final polymeric composition.

[013] An objective of the present invention is to propose a polymeric composition in form of a polymer powder which is rapidly and easily dispersible, especially in liquid resins as for example precursors for thermoset polymers or thermoplastic polymers as respectively for instance in epoxy resins or in (meth)acrylic monomers.

[014] An additional objective of the present disclosure is to propose a polymeric composition in form of a dry polymer powder which is easily dispersible especially in liquid resins as for example epoxy resins or (meth)acrylic monomers.

[015] Still another objective of the present disclosure is the use of a polymeric composition in form of a polymer powder for preparing a liquid composition comprising precursors for thermoset polymers or thermoplastic polymers as liquid reactive epoxy resins or (meth)acrylic monomers in which is dispersed the polymeric composition.

[016] Still another objective is to reduce the time of dispersing a polymer powder in a liquid composition.

[017] Still an additional objective is to propose an impact modifier in form of a polymer powder which is rapidly and easily dispersible, especially in liquid resins as for example precursors for thermoset polymers or thermoplastic polymers as respectively for instance epoxy resins or (meth)acrylic monomers.

[BACKGROUND OF THE INVENTION]Prior art

[018] The document US2004/0147668 discloses an acrylic polymer powder, an acrylic sol and molding. The acrylic polymer powder has an average size of 5μm to 10μm and void volume on the voids having a pore diameter of 1μm or more and is 0.9 ml/g or less.

[019] The document EP2196479 discloses a vinylidene fluoride polymer powder and the use thereof. The polymer powder is produced by supercritical suspension polymerization and the volume of the pores having a pore diameter of 0.03μm to 1.0μm as measured by a mercury porosimeter is 70vol% to 93vol% of total pore volume.

[020] The document WO2017/121749 discloses a liquid composition comprising a multistage polymer. In particular a liquid composition comprising a monomer, a (meth)acrylic polymer and a multistage polymer is disclosed.

[021] None of the prior art documents discloses a polymeric composition in form of powder having a porosity expressed in total intruded volume of at last 1.2ml/g as measured by mercury intrusion.

[Brief description]

[021a] In an aspect, there is provided a polymeric composition in form of a porous polymer powder POW1 having total intruded volume of at least 1.2 ml/g as measured by mercury porosimetry.

[021b] In another aspect, there is provided a process for manufacturing a liquid polymer composition LCP1 comprising the steps of

a) providing the polymeric composition in form of a porous polymer powder POW1 having total intruded volume of at least 1.2 ml/g as measured by mercury porosimetry as defined above,

b) bringing into contact said polymeric composition in form of a porous polymer powder POW1 with a liquid composition LC1.

[021c] In another aspect, there is provided a process to reduce the dispersing time of a polymer powder in a liquid by providing a polymeric composition in form of a porous polymer powder POW1 having total intruded volume of at least 1.2 ml/g as measured by mercury porosimetry as defined above.

[021d] In another aspect, there is provided the use of the polymeric composition as defined above as a reduced dispersing time composition.

[022] Surprisingly it has been found that a polymeric composition in form of a porous polymeric powder POW1 can be easily and fast dispersed in other polymers, liquid resins and/or monomers, if the total intruded volume of the powder is at least 1.2 ml/g as measured by mercury porosimetry.

[023] Surprisingly it has also been found that a polymeric composition in form of a porous polymeric powder POW1 comprising polymeric particles can be easily and fast dispersed in other polymers and liquid resins, if the total intruded volume of the powder is at least 1.2 ml/g as measured by mercury porosimetry.

[024] Surprisingly it has additionally been found that a polymeric composition in form of a porous polymeric powder POW1 comprising polymeric particles can be easily and fast dispersed homogenously in other polymers and liquid resins for giving a satisfying impact resistance, if the total intruded volume of the powder is at least 1.2 ml/g as measured by mercury porosimetry.