

Immediate Release

NetComposites Develops Natural Fibre LFT for Lightweighting

NetComposites has developed injection mouldable long fibre thermoplastic (LFT) Flax/PP and Jute/PP pellets.

The pellets, made using pultrusion technology and commingled yarns, offer a competitive alternative to glass LFT and continuous fibre composites whilst having a number of benefits. The natural fibres offer a stiffness comparable to glass resulting in pellets which are low weight, capable of complex moulding geometries, offer good impact and creep resistance and improved performance over alternative short-fibre materials.

The pellets are ideally suited to light-weighting applications such as automotive interiors. NetComposites is currently working with an automotive trim supplier to develop an interior panel using Flax/PP pellets. The materials have a specific modulus comparable with that of glass fibres, but ~40% lighter.

Other LFT variants are in development such as novel polymer reinforced polymer (PRP) pellets with a PET reinforcement and PP matrix. These offer another lightweight and highly impact-resistant alternative to glass/PP products.

Pellets and moulded parts will be on show at JEC Europe 2015 in Hall 7.3, Stand G70 from 10 - 12 March, Paris, France. The team will be available throughout the show and encourages you to book an appointment. Please contact them on +44 (0)1246 266244 or info@netcomposites.com



About NetComposites

NetComposites is a world leading specialist in applied composite material technologies. Through its research, consultancy, training and information services, it develops innovative, commercially successful composite materials and processes whilst helping clients and partners to benefit from better materials, manufacturing technologies and business opportunities.

netcomposites.com

Contact: Gemma Smith
Gemma.smith@netcomposites.com
Mob: +44 7709 181838