

<b>Supplier</b>	Exel Composites NV (factory)
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<b>1. Generic product description</b>	Composite profiles for construction applications. A pultruded profile consisting of a high volume fraction of reinforcing fibre encapsulated in an organic resin matrix.
<b>2. Composition</b>	The major components are glass fibre reinforcement in a cured polyester resin matrix. The resin mix may also contain pigment, internal release agents and inert fillers. The cured polyester resin has been reinforced with glassfibre with a diameter of 9-20 µm. In liquid state the polyester contains styrene, which will crosslink during curing. The cured material may contain small quantities of styrene (<1%).
<b>3. Hazards identification</b>	Pultruded profiles manufactured from glassfibre - reinforced polyester do not constitute a hazard as supplied. Splinters of glass fibre can be generated when the profile is broken. Dust will be generated when the profile is machined which may cause irritation to the eyes, skin and mucous membranes.
<b>4. First aid measures</b>	Splinters from a broken profile should be attended to immediately while the splinter is visible as glass reinforced plastic does not show on an X-ray.  <b>Eye Contact:</b> Open eyes widely and rinse with plenty of water. Remove contact lenses, if any. See a doctor if irritation persists. <b>Skin Contact:</b> Grinding or cutting dust should be washed off carefully using water and soap. <b>Inhalation:</b> If large quantities of dust have been inhaled, go outside to breathe fresh air. See a doctor if irritation persists.
<b>5. Fire fighting</b>	Pultruded profiles are not flammable or easily ignited but will burn in a fire. If the fire is a large one goggles and breathing apparatus should be used. <b>Fire Extinguishers:</b> Water, powder, foam or CO2. Fires will cause normal smoke gasses to be released, mostly carbon monoxide, carbon dioxide and carbon particles.
<b>6. Accidental release</b>	Pultruded profiles are inert solids so there are no special considerations.
<b>7. Handling and storage</b>	There are no special considerations. Grinding or cutting may cause the generation of dust containing glass fibres. Provide adequate ventilation or use a dust filter mask to avoid the inhalation of dust. The fully cured product contains a very low amount of styrene which may be released when cutting.
<b>8. Exposure controls - personal protection</b>	Technical Measures: Dust will be liberated in machining operations. This dust is classified as a 'Nuisance Dust' and as such the dust level in the working atmosphere must be kept below 10 mgm per cubic meter. If a considerable quantity of machining is to be carried out a suitable/approved dust mask should be worn. Provide adequate overall ventilation and local exhaust ventilation in the area where grinding and cutting takes place. When handling broken GRP the use of suitable heavy-duty gloves is recommended to prevent splinters entering the body, as X-rays cannot detect these. When cutting or machining GRP, suitable approved eye protection must be worn. Dust mask complying with CEN P2, long sleeved loose fitting clothing, and gloves and barrier cream are recommended.
<b>9. Physical and chemical properties</b>	Pultruded profiles are stiff and strong, they do not conduct heat or electricity and are chemically inert. Physical state: solid, heterogeneous material. Smell: the product may have a weak smell of styrene, which has a very low smell limit (approx. 0.3 ppm). Spontaneous combustion: > 450°C. Water-solubility: not soluble in water.
<b>10. Stability and reactivity</b>	Pultruded profiles are stable and unreactive.
<b>11. Toxicological information</b>	Pultruded profiles do not constitute a hazard. Inhalation: the majority of the grinding- and cutting dust will be caught by the mucous membranes of the respiratory passages. Dust getting in the lungs will cause irritation. Eyes: grinding/cutting dust may cause irritation: flush with water. Suitable PPE should be worn at all times.
<b>12. Ecological information</b>	Pultruded profiles are very stable. They are not biodegradable
<b>13. Disposal considerations</b>	As an inert material pultruded profiles can normally be disposed of as 'Commercial Landfill', subject to local regulations. Alternative disposal routes are 'Waste to Energy' or as a 'ground filler in cement.'
<b>14. Transport</b>	There are no regulations specific to the transport of pultruded profiles and none of the existing regulations are applicable. Not classified as dangerous goods. Transport/storage temperature (°C) -50°C to +80°C. Loading/unloading temperature (°C) -50°C to +80°C.
<b>15. Regulatory information</b>	Pultruded profiles do not have a Hazard Classification and there are no Risk or Safety phrases required on an MSDS.