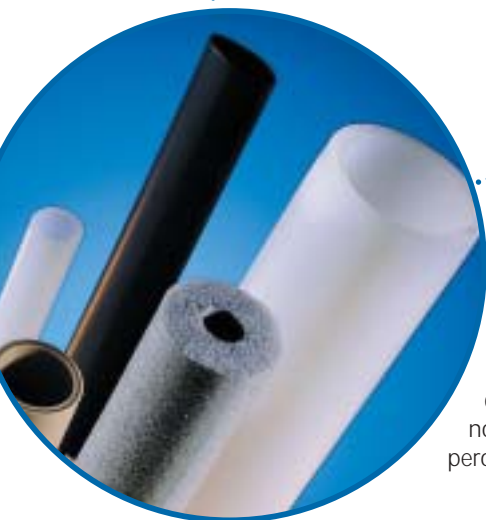


Pipe, Heatshrink and Injection Moulding Compounds

Applications list

Speciality

Compounds



AEI Compounds Limited is a leading supplier of silane grafted, crosslinkable and other polymer compounds to the Plastics industry.

Most of the **AEI Compounds** range utilises the 'Sioplas' system for crosslinking polymers, which permits processing at high output rates in normal thermoplastic processing equipment, without the limitations imposed by peroxide addition or irradiation techniques.

The silane crosslinkable compounds are a two-component system consisting of a graft co-polymer and a catalyst masterbatch, which are premixed at the processing stage, normally in the ratio of 95 parts to 5 parts masterbatch. Crosslinking can take place under ambient conditions but is normally accelerated by the incorporation of the catalyst masterbatch and exposure of the finished article to elevated temperature and high humidity.

Application	Density g/cm ²	Tensile Strength N/mm ²	Elongation @ break %	General Notes
<i>Silane crosslinkable medium density polyethylene for high temperature pressure pipes</i>				
SX704:CM488	0.945	24	550	UK and European Specifications
SX720:CM488	0.952	24	540	USA, European and UK Specifications
SX733:CM488	0.952	24	540	UK and European Specifications
SX734:CM488	0.952	25	560	USA specifications including chlorine resistance

General Note

Whilst this document has been prepared in good faith AEI Compounds Limited accepts no liability of any kind to any person in respect of its contents or any use made thereof. Neither must it be assumed that any use will not infringe any patent. This document shall not form part of any contract with a customer.

Pipe, Heatshrink and Injection Moulding Compounds Applications list

Application	Density g/cm ²	Tensile Strength N/mm ²	Elongation @ break %	General Notes
<i>Silane crosslinkable compound for the production of flexible heat shrinkable and flame retardant polyolefin tubing.</i>				
SX736:CM424	1.26	13	450	For UL224 applications
SX725:CM424	0.930	15	400	Where transparency is required
SX737:CM424	1.17	11	250	Resistant to electrical tracking

Application	Density g/cm ²	Tensile Strength N/mm ²	Elongation @ break %	General Notes
<i>Silane Crosslinkable high-density polythene for injection moulding.</i>				
SX703:CM488/6	.0.955	26	450	Potential replacement for engineering thermoplastics

AEI Compounds are always ready to consider new projects and develop 'tailor made' products, both crosslinkable and thermoplastic, to meet exact requirements for customers and/or their individual specifications.

The AEI Compounds Limited Quality Management system has been independently assessed and approved as being in accordance with the requirements of BS EN ISO 9001: 2000.

For copies of our detailed product data sheets or information about prices and availability please contact us directly or alternatively your local AEI Compounds Distributor/Representative.

In addition to the range of Compounds for Pipe, Heatshrink and Injection moulding applications we also have a range of materials for Cable applications. Please see our separate information sheet for details.