



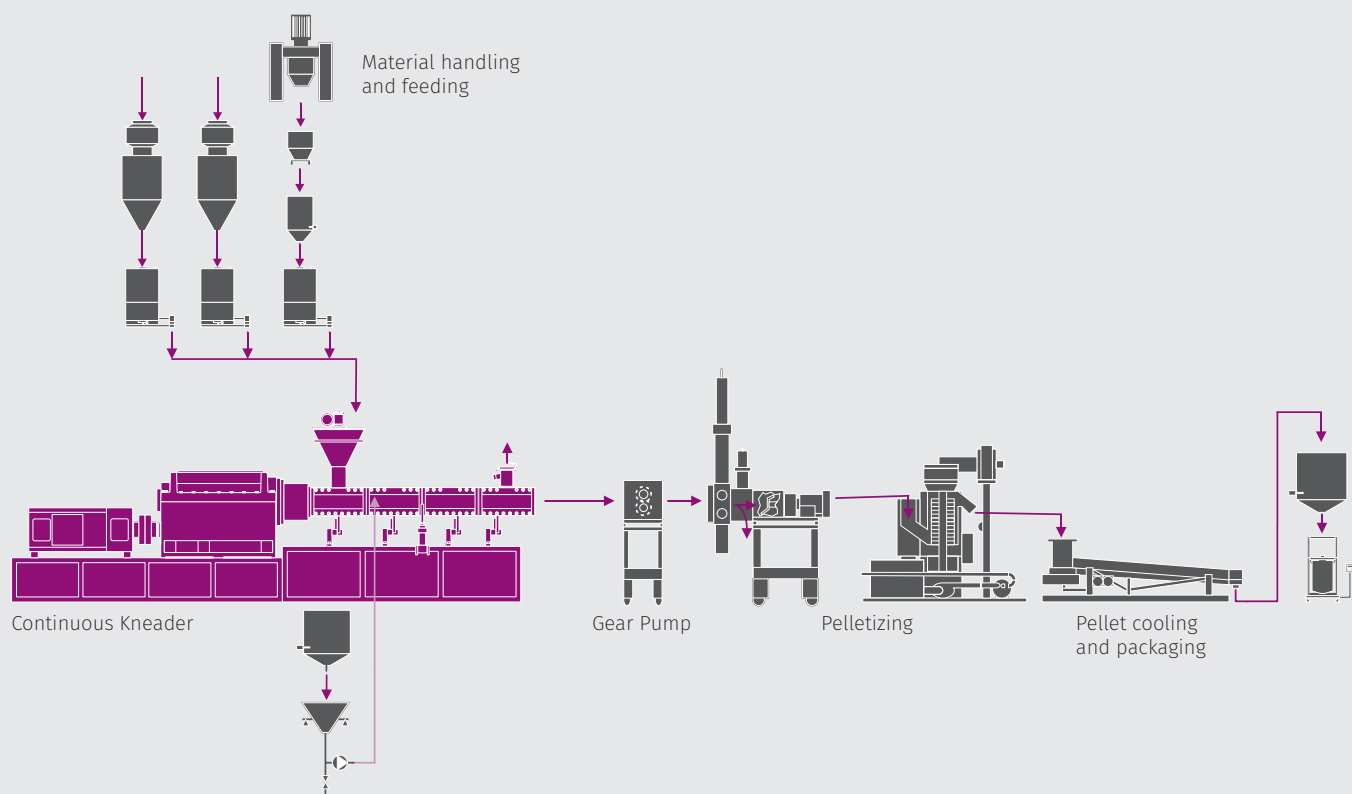
### **Application**

Silane based crosslinkable Polyethylene (PEX-B, Sioplas) compounds are used for low voltage and medium voltage power cables as well as for hot water pipes. Two different compounds are required: the Silane grafted polymer, and the catalyst masterbatch. Fortunately, both compounds can be produced by the very same X-Compound Kneader. The changeover between these two compounds requires proper cleaning. The X-Compound Kneader technology is perfectly capable to process any kind of grafted polymer compounds. The cross-linking process is worldwide established.

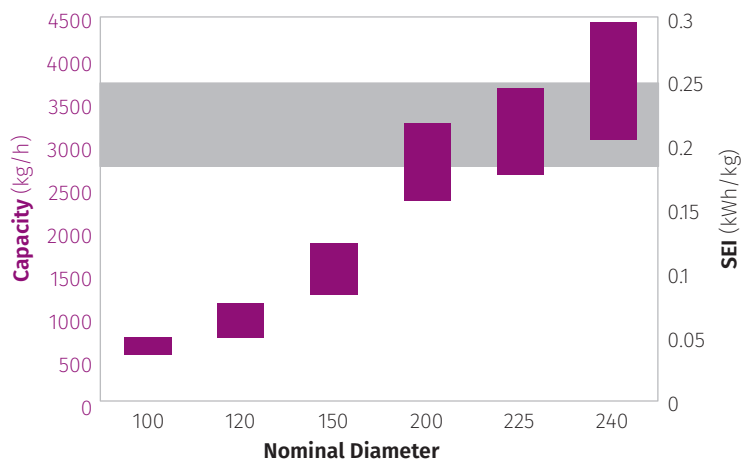
### **Benefits of Continuous Kneaders**

- Direct injection of silane into the polymer melt at variable positions
- Long cleaning intervals due to the perfect self-cleaning of the Kneader
- Perfect mixing behavior allows the use of minimum silane quantity
- Reproducible grafting reaction
- Homogeneous controlled temperature for all surfaces in product contact reduces the plate out effect

## Flow Sheet



## Kneader Data



Kneader	Nominal Diameter	H (mm)	B (mm)	L (mm)	Throughput (kg/h)	SEI (kWh/kg)
CK 100	100	2,000	750	5,240	500 – 700	0.18 - 0.25
CK 120	120	2,300	800	6,200	700 – 1,100	0.18 - 0.25
CK 150	150	2,700	900	7,700	1,200 – 1,800	0.18 - 0.25
CK 200	200	3,000	1,000	9,500	2,300 – 3,200	0.18 - 0.25
CK 225	225	3,300	1,100	10,500	2,600 – 3,600	0.18 - 0.25
CK 240	240	3,500	1,200	11,200	3,000 – 4,400	0.18 - 0.25

The data provided in this document are for information purposes only. Actual dimensions, throughputs and energy inputs are depending e.g. on raw materials and may vary.