



### **Application**

One common way to produce polymer films is calendaring. A broad range of applications from medical films to vinyl flooring layers are produced using this technique. Raw materials are compounded in a prior step to feed the calendar. The optimal compounding aggregate is able to achieve excellent mixing performance at a broad spectrum of throughputs.

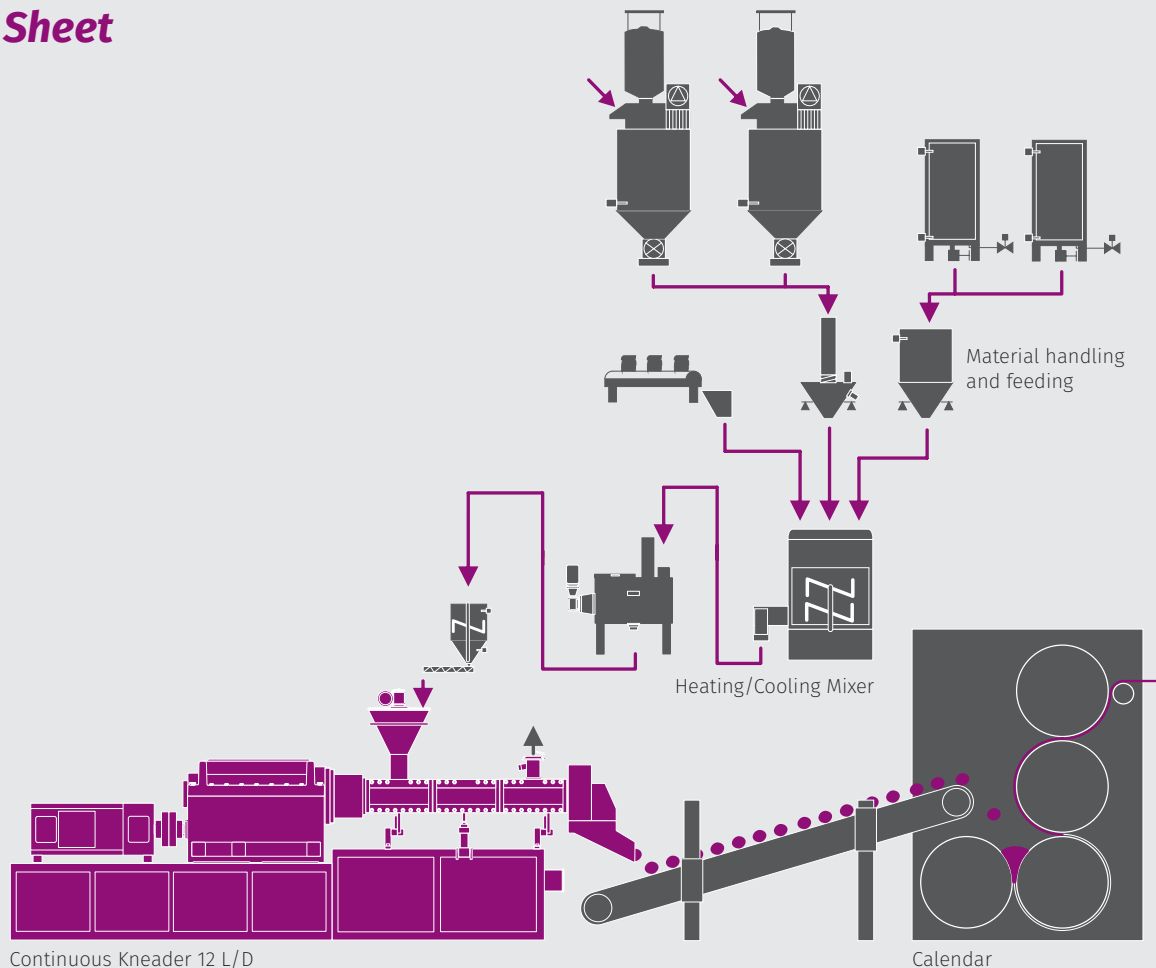
This is where X-Compound's 3-Flight Continuous Kneaders prove their strength. The technology

combines a unique principle of motion with an exceptional degree of flexibility keeping the product quality at a constant level.

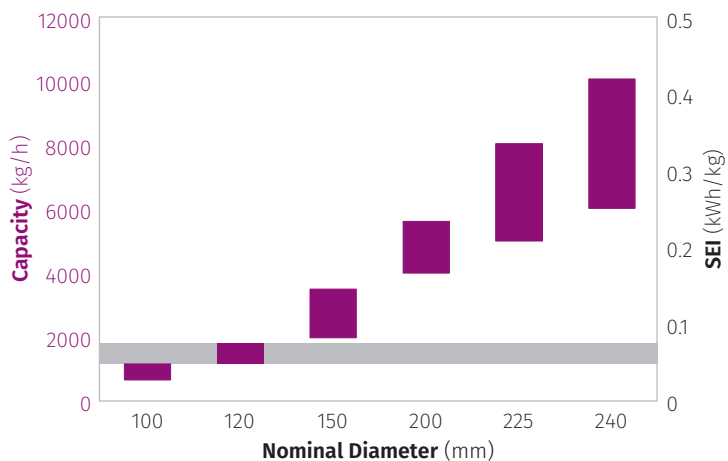
### **Benefits**

- Excellent self-cleaning
- Adjustable shear rate level
- X-Compound's 3-flight technology provides broadest processing windows
- High turndown ratios (usually more than 5:1) maintaining consistent and uniform properties

## Flow Sheet



## Kneader Data



Kneader	Nominal Diameter (mm)	H (mm)	B (mm)	L (mm)	Throughput (kg/h)	SEI (kWh/kg)
CK 100	100	2'000	750	4'000	700-1'200	0.05-0.08
CK 120	120	2'300	800	4'700	1'200-1'800	0.05-0.08
CK 150	150	2'700	900	5'600	2'000-3'500	0.05-0.08
CK 200	200	3'500	1'000	6'800	4'000-5'500	0.05-0.08
CK 225	225	3'600	1'100	7'400	5'000-8'000	0.05-0.08
CK 240	240	3'700	1'200	8'000	6'000-10'000	0.05-0.08

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.