



Features

- Gentle material processing and excellent mixing due to the unique principle of operation.
- Modular setup for maximum flexibility
- Excellent self-cleaning
- 3-flight technology provides broadest processing windows
- Minimum wear due to low pressure processing unit
- Possibility to incorporate highest amounts of fillers
- Easy access to process sections by smart design
- High turndown ratios at consistent uniform properties
- Adjustable Shear Rate Level

Kneader Data

Technical Data	Continuous Kneader			Discharge Unit		
	Screw diameter mm	Process length L/D	Max. drive power kW	Screw diameter mm	Process length L/D	Max. drive power kW
Type						
CK 45	45	8 - 24	20	55	6	6
CK 100	100	8 - 24	250	160	6	45
CK 120	120	8 - 24	250	160	6	45
CK 150	150	8 - 24	500	200	6	90
CK 200	200	8 - 24	1'200	250	6	120
CK 225	225	8 - 24	1'500	300	6	180
CK 240	240	8 - 24	2'000	300	6	180

Capacity (kg/h)	HFFR	Semicon	XLPE Silane	XLPE peroxide	PVC Compounding
CK 45	25 – 50	30 – 60	30 – 60	40 – 70	60 – 100
CK 100	300 – 600	350 – 700	500 – 700	600 – 800	700 – 1'200
CK 120	450 – 900	550 – 1100	700 – 1100	900 – 1'200	1'200 – 1'800
CK 150	750 – 1500	900 – 1'750	1'200 – 1'800	1'500 – 1'600	2'000 – 3'500
CK 200	1'400 – 2'600	1'600 – 3'000	2'300 – 3'200	2'500 – 3'200	4'000 – 5'600
CK 225	1'600 – 3'000	1'800 – 3'500	2'600 – 3'600	–	5'000 – 8'000
CK 240	1'800 – 3'500	2'200 – 4'000	3'000 – 4'400	–	6'000 – 10'000
Spec. energy (kWh/kg)	0.08 – 0.14	0.15 – 0.20	0.18 – 0.25	0.12 – 0.16	0.05 – 0.08

Capacity (kg/h)	Calendering	Thermoset	Elastomer	Black MB/Jacketing	Engineering Plastics
CK 45	60 – 100	10 – 40	15 – 50	40 – 70	30 – 60
CK 100	700 – 1'200	125 – 500	190 – 640	500 – 750	390 – 775
CK 120	1'200 – '800	200 – 800	300 – 1000	750 – 1'200	600 – 1200
CK 150	2'000 – 3'500	350 – 1400	550 – 1800	1'200 – 1'900	1100 – 2200
CK 200	4'000 – 5'600	750 – 3000	1100 – 3600	2'300 – 3'500	2200 – 4400
CK 225	5'000 – 8'000	900 – 4000	1500 – 4900	2'600 – 4'000	3000 – 5900
CK 240	6'000 – 10'000	1150 – 4600	1750 – 5700	3'000 – 5'000	3500 – 7000
Spec. energy (kWh/kg)	0.05 – 0.08	0.12 – 0.22	0.20 – 0.30	0.15 – 0.25	0.15 – 0.25