

MedEco XPI C4

Technical Data Sheet

MedEco XPI C4 is a 95% bio-based LDPE type with high purity and good toughness. It is suitable for blow-molded pharmaceutical primary packaging, primary packaging films, and media tubing.

Material properties

All values given are approximate values. The data was measured on test specimens and may vary due to product-specific geometry and process characteristics.

Property	Method	Condition	Value	Unit
Density			0.93	g/cm ³
MFI	ISO 1133-A	190°C/ 2.16 kg	0.40	g/10min
Young's modulus	ISO 527-1/1A		220	N/mm ²
Yield strength MD/CD	ISO 527-1/1A		12/11	N/mm ²
Tensile strength MD/CD	ISO 527-1/1A		15/15	N/mm ²
Elongation at break MD/CD	ISO 527-1/1A		500/500	%

Processing instruction

Parameter	Value		Unit
	min	max	
Periphery temperature	15	60	25 °C
Feed Zone Temperature	160	200	160 °C
Compression Zone Temperature	160	220	200 °C
Metering Zone Temperature	160	220	210 °C
Nozzle Temperature	160	220	210 °C
Melt Temperature	160	220	200 °C
Screw Speed			High



[Safety-
datasheet](#)