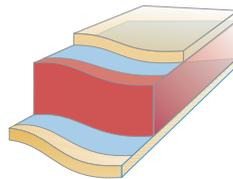


Pentapharm® COC films

Do your pharmaceutical products require serious protection against moisture? Then Pentapharm® rigid COC-laminated and -coated films are right for you. These films come in two structures, so you get the oxygen barrier, sealability, and other special properties you need. The film also offers excellent thermoforming characteristics and brilliant optical clarity. At kp, we know that some pharmaceuticals need exceptional protection. And with Pentapharm® COC, we deliver.

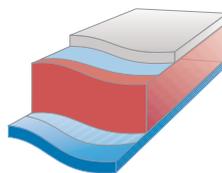
Pentapharm® COC P/03

Structure:	Triplex PP/COC/PP
Moisture Barrier:	High
Oxygen Barrier:	None
Thermoformability:	High
Sealability:	High
Sterilization:	Gamma, EtO
Special Features:	<ul style="list-style-type: none">• Low specific gravity for higher yields• Seals to foil & PP lidding material• Good impact resistance• Based completely on polyolefins• Contact layer is PP



Pentapharm® COC SD/03

Structure:	Triplex PVC/COC/PVdC
Moisture Barrier:	Ultra high
Oxygen Barrier:	High
Thermoformability:	High
Sealability:	Mid to high
Sterilization:	EtO
Special Features:	<ul style="list-style-type: none">• Excellent cost/performance properties• Sealable to standard lidding material• High transparency• Contact layer is PVC or PVdC



Polymers:

Three-layer structures which combine cyclic olefin copolymer (COC) with PP or PVC/PVdC

Applications:

Ethicals, OTC, generics, physician samples, veterinary, nutraceuticals, deep-draw thermoformed parts, medical

General Properties:

Moisture Barrier:	High to ultra high
Oxygen Barrier:	None to high
Thermoformability:	High
Sealability:	Mid to high
Sterilization:	Gamma and/or EtO

Performance Features:

- Brilliant clarity
- Excellent thermoforming characteristics, especially deep draw
- Consistent wall thickness, good rigidity
- Available in clear & white opaque
- Runs on standard equipment & tooling
- Sealable to a wide range of lidstock

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