

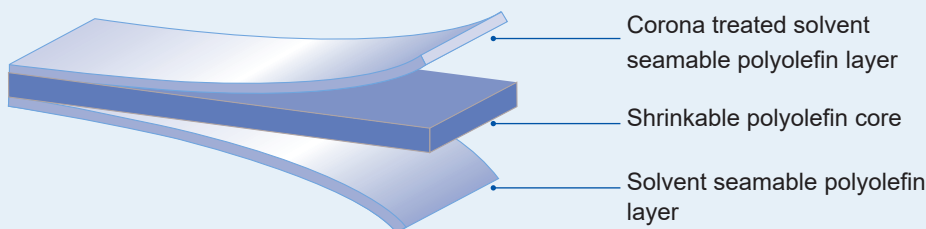
RayoFloat™ APO



Technical Data Sheet

Certified Recycling Code 5 PP by RecyClass

APO - Low density polyolefin shrink film for shrink sleeve labels and tamper evident applications.



Features

- Low density
- Suitable for floatation separation from PET during recycling processes
- Controlled TD shrinkage >60%
- High gloss
- High clarity
- Scuff resistant

Conversion

RayoFloat™ APO is printable across a wide range of traditional flexographic and gravure processes. Exact inks should be recommended by your supplier. Limonene is recommended as the preferred seaming solvent.



Technical Properties (Typical Values)

Property	Test Method	Test Conditions	Units	APO	
Thickness	Innovia Films test		micron	45	50
			gauge	180	200
Yield	Innovia Films test		m ² /kg	24.2	21.7
			in ² /lb	16981	15255
Unit Weight			g/m ²	41.4	46.0
			lbs/ream	25.4	28.3
Haze (wide angle)	Innovia Films test	2.5°	%	6	
Density	Innovia Films test		g/cm ³	0.92	
Gloss	Innovia	60°	%	120	
Shrinkage	Innovia Films test	95°C, 10s	%	MD	2
				TD	67
Tensile strength	ASTM D 882	Strain rate 50%/min	MN/m ²	MD	>20
				TD	>210
			lb/in ²	MD	>2900
				TD	>30458
Elongation at break	ASTM D 882	Strain rate 50%/min	%	MD	>240
				TD	>25
Coefficient of friction	Innovia Films test			Treated side	0.45
				Non treated side	0.38

MD Machine Direction TD Transverse Direction

All properties are tested under standard laboratory conditions: 23 ± 2°C, 50 ± 5% RH, unless otherwise stated. Where relevant, tests are based on international testing standards.

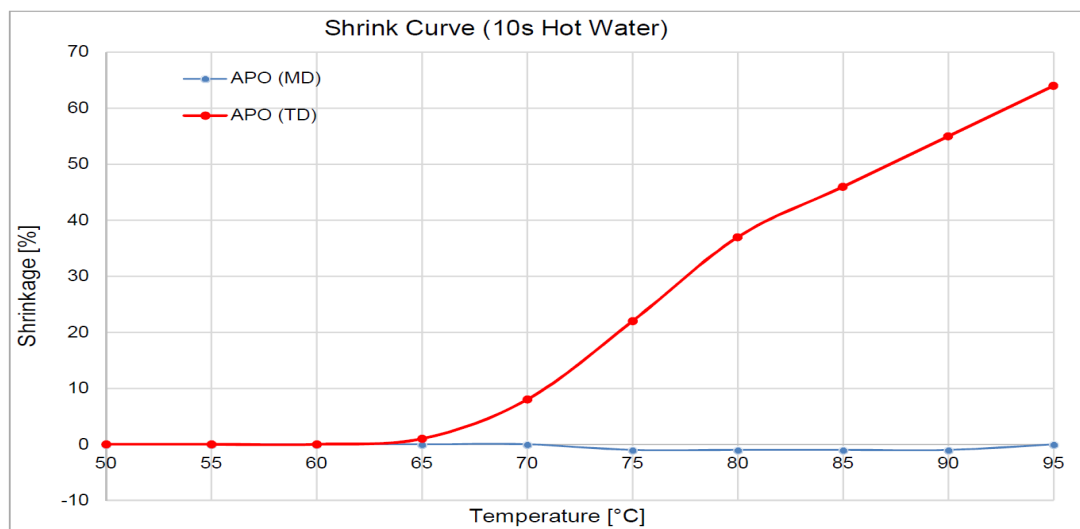
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Conversion

The polyolefin outer layers can be solvent seamed with standard solvents. Suitable for both steam and hot air shrink tunnels



Reel Specifications

Nominal Reel Diameters

Film	Core Size/(mm)	Approx Outside Dia/(mm)	Length/(metres)
APO45	152	730	8400
APO50	152	730	7500
Film	Core Size/(in)	Approx Outside Dia/(in)	Length/(feet)
APO180	6"	28.7	27560
APO200	6"	28.7	24606

Alternative reel lengths are available subject to negotiation.

Film Storage and Handling

RayoFloat™ APO should only be used and converted after at least 2 months from it's original production date.

For RayoFloat™ APO, it is recommended that the film should be stored and transported at temperatures below 25°C. It is important these conditions are employed to minimise any changes to the films shrinkage properties. RayoFloat™ APO is suitable for use for 9 months from the date of production, and stocks should be used in rotation.

Food Contact

RayoFloat™ APO complies with the applicable EU and US legislation for most applications involving direct contact with foods. Full details are given on the Declaration of Compliance. Customers intending to use RayoFloat™ APO in a food contact application should request a copy of this document from Innovia Films. Details of compliance with food contact legislation in non-EU countries are also available upon request.

Health & Safety Guidelines

For Health & Safety information, please refer to Innovia Poland's Quality documents.

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