



Provisional Technical Data Sheet

Hydropol 30162

1. Description

Aquapak 30162 is a modified co-polymer based on vinyl acetate hydrolysed monomers. Aquapak 30162 has been specifically formulated for blown film and may also be used in extrusion coating applications.

2. Properties

Particle Size	4-5 mm (dependent on die swell)
Density	1.12 g/cm ³
Peak Melting Temperature	210

3. Film Properties

Clarity (light transmitted) %	60-66	
Gloss (light reflected) %	81	
Tear Strength (Elmendorf) g	2000	ISO 1974
Tensile Strength MPa	90	ISO 527-3
Elongation at break %	400	ISO 527-1
(based on 25u film)		

Oxygen Permeability (ml/m²/day)*

Hot water soluble 0.12

*50% RH & 23 degC



Water Vapour Permeability (g/m²)

tbc

High resistance to animal, mineral and vegetable oils, aliphatic and aromatic hydrocarbons, ethers, esters and ketones.

Static Dissipation Properties

Because of their high hydroxyl group content and hygroscopicity, Aquapak 30160 compound is inherently static dissipative, similar to cellophane, and causes little frictional static charging. Surface resistivities are in the range of 10⁵–10⁶ ohms/m².

Toxicity.

Aquapak 30162 is non-toxic and all raw materials are listed as approved as indirect food additives and food contact by EU and US regulatory listings.

Biodegradability.

Aquapak 30160 is inherently biodegradable. Biodegradation has been observed by at least 20 different genera of bacteria and several yeasts and molds which occur in activated sludge, compost, facultative ponds, landfills, anaerobic digesters and septic systems and in natural soil and aquatic environments.

Sturm (aquatic) biodegradation tests show that the formulations degrade in the presence of activated sewage sludge at a similar rate to cellulose.