

P350PB

AUTOCLAVE LABEL

Front material

Self-adhesive	Rolls		
Face	Pet white TC 50		
Product	White, semiglossy, top coated polyester film		
Use	For durable enduse applications where good resistance against water, oil and chemicals is important. E.g. labelling on durable products, drums, PET containers and PET packages.		
Typical technical values			
Substance	55	g/m ²	DIN 53352
Caliper	50	µm	DIN 53370
Opacity	92	%	ISO 2471
Gloss	13	%	ASTM D2457
Printability	Flexography, screen, letterpress and offset. Special inks designed for non-absorbent materials should be used. Overprinting by thermal transfer with selected ribbons.		
Advantages	Good dimensional stability. High tensile strength and stiffness. High tear strength. Very good heat resistance.		
Additional info	Manufactured from a minimum of 25% recycled PET resin from post consumer waste (PET bottles).		

Adhesive

Adhesive	Clear permanent adhesive			
Composition	Radiation-cured UV-acrylic			
Use	Specially designed for clear-on-clear pharmaceutical labelling. Outstanding mandrel performance. Excellent clarity and water and chemical resistance. Suitable for autoclave sterilization.			
Typical technical values				
Tack min	11	N	FTM9	
Peel min	6.0	N/25mm	FTM2	90°
Peel max	12.0	N/25mm	FTM2	90°
Labeling temperature min	10	°C		
Service temperature min	-20	°C		*)
Service temperature max	140	°C		
Additional info	*) tested using: PP Clear TC 50, 24h at -20 °C, static, 0 12 mm PP, 0 12 mm glass.			
Approvals	The raw materials conform to FDA 21 CFR 175.105 (indirect food contact). The research centre ISEGA has given the adhesive approval for direct contact with dry, moist and fatty foods.			
Shelf life	From the date of manufacture: 2 years at 20 °C and RH 50%.			

Backing front material

Self-adhesive	Rolls		
Backing	PET		
Product	Clear polyester backing material		
Use	Specially designed for use with clear filmic face materials in applications requiring excellent clarity. Good strength characteristics for high speed and difficult applications.		
Typical technical values			
Substance	50	g/m ²	ISO 536
Caliper	36	µm	ISO 534
Tensile strength MD	190.0	N/mm ²	DIN 53455
Tensile strength CD	200.0	N/mm ²	DIN 53455

Backing adhesive

Adhesive type	Clear permanent adhesive		
Composition	Acrylic, water borne		
Use	Specially designed for filmic face materials. Excellent clarity, UV-stability and good water resistance once labelled. Good adhesion properties and heat resistance.		
Typical technical values			
Tack min	9	N/25mm	FTM 9
Shear min	10.0	h	FTM 8
Peel 90°	7	N/25mm	FTM 2
Labeling temperature min	5	°C	
Service temperature min	-20	°C	
Service temperature max	100	°C	
Limitations	Limited adhesion at low temperatures. The highest end-use temperature must be separately checked together with the face material.		
Approvals	The research centre ISEGA has given an approval according to the European requirements for direct contact with dry and moist and such kind of fatty foods which have a reduction factor of at least 3 according to the EC directive 85/572/EEC. According to FDA regulations adhesive may come into direct contact with dry foodstuffs or it must be separated from the foodstuffs by a functional barrier. ISEGA has EN ISO 17025 accreditation for analytics and EN 45011 for certification.		
Shelf life	From the date of manufacture 2 years in +20°C and RH 50%.		

PET liner

Self-adhesive	Rolls		
Backing	PET		
Product	Clear polyester backing material		
Use	Specially designed for use with clear filmic face materials in applications requiring excellent clarity. Good strength characteristics for high speed and difficult applications.		
Typical technical values			
Substance	42	g/m ²	ISO 536
Caliper	30	µm	ISO 534
Tensile strength MD	200.0	N/mm ²	DIN 53455
Tensile strength Cd	210.0	N/mm ²	DIN 53455

Disclaimer

Values shown in this document are averages only. For legal reasons, we emphasize that the information on this data is available as is and that Altec gives no guarantees with respect to the accuracy and completeness nor with respect to interpretations made on the basis of this information.