

Adsyl 3 C 30 F HP

Polyolefin

LyondellBasell Industries

Message:

Adsyl 3 C 30 F HP is an advanced polyolefin, specially designed for use as a sealing or metallized layer in co-extruded film applications. This grade features a low seal initiation temperature, a high melting point and good optics. It does not contain slip or anti-block additives.

For regulatory information please refer to Adsyl 3 C 30 F HP Product Stewardship Bulletin (PSB).

General Information			
Features	Food Contact Acceptable Good Stiffness High Heat Resistance Low Temperature Heat Sealability Opticals		
Uses	Bi-axially Oriented Film Cast Film Food Packaging Laminates Shrink Wrap		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	
Secant Modulus ¹			ASTM D882
MD : 50 µm, Cast Film	400	MPa	
TD : 50 µm, Cast Film	400	MPa	
Tensile Strength ²			ASTM D882
MD : Yield, 50 µm, Cast Film	18.0	MPa	
TD : Yield, 50 µm, Cast Film	18.0	MPa	
MD : Break, 50 µm, Cast Film	44.0	MPa	
TD : Break, 50 µm, Cast Film	38.0	MPa	
Tensile Elongation ³			ASTM D882
MD : Yield, 50 µm, Cast Film	12	%	
TD : Yield, 50 µm, Cast Film	10	%	
MD : Break, 50 µm	850	%	
TD : Break, 50 µm, Cast Film	850	%	

Seal Initiation Temperature	112	°C	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	71.0	°C	ISO 75-2/B
Vicat Softening Temperature	122	°C	ISO 306/A50
Melting Temperature	137	°C	DSC
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm)	91		ASTM D2457
Haze (50.0 μm)	0.40	%	ASTM D1003
NOTE			
1.	25 mm/min		
2.	500 mm/min		
3.	500 mm/min		

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