

# Adsyl 5 C 37 F

Polyolefin  
LyondellBasell Industries

## Message:

Adsyl 5 C 37 F is an advanced polyolefin, specially designed for use as a sealing layer in co-extruded film applications. This grade features a very low seal initiation temperature. It contains slip and anti-block additives. For regulatory information please refer to Adsyl 5 C 37 F Product Stewardship Bulletin (PSB).

General Information			
Additive	Antiblock		
	Slip		
Features	Antiblocking		
	Low Temperature Heat Sealability		
	Slip		
Uses	Bi-axially Oriented Film		
	Cast Film		
	Film		
	Food Packaging		
	Laminates		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Coextruded Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm <sup>3</sup>	ASTM D792, ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ASTM D1238, ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	21.4	MPa	ASTM D638
Tensile Elongation (Yield)	13	%	ASTM D638
Flexural Modulus - 1% Secant <sup>1</sup>	648	MPa	ASTM D790A
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ISO 527-3/25
Tensile Modulus			
MD : 50 µm, Cast Film	280	MPa	
TD : 50 µm, Cast Film	280	MPa	ISO 527-3/500
Tensile Stress			
MD : Yield, 50 µm, Cast Film	14.0	MPa	

TD : Yield, 50 µm, Cast Film	14.0	MPa	
MD : Break, 50 µm, Cast Film	45.0	MPa	
TD : Break, 50 µm, Cast Film	35.0	MPa	
Tensile Elongation			ISO 527-3/500
MD : Yield, 50 µm, Cast Film	17	%	
TD : Yield, 50 µm, Cast Film	15	%	
MD : Break, 50 µm, Cast Film	900	%	
TD : Break, 50 µm, Cast Film	800	%	
Seal Initiation Temperature	105	°C	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256A
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	62.8	°C	ASTM D648
0.45 MPa, Unannealed	62.0	°C	ISO 75-2/B
Vicat Softening Temperature	107	°C	ISO 306/A50
Melting Temperature	132	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Cast Film)	87		ASTM D2457
Haze (50.0 µm, Cast Film)	1.0	%	ASTM D1003
NOTE			
1.	1.0 mm/min		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### Recommended distributors for this material

### Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

