

Adsyl 5 C 30 F ST

Polyolefin
LyondellBasell Industries

Message:

Adsyl 5 C 30 F ST is an advanced polyolefin, specially designed for use as a sealing or metallized layer in co-extruded film applications. This grade features a very low seal initiation temperature and excellent optics. It does not contain slip or anti-block additives.

General Information			
Features	Low Temperature Heat Sealability		
	Opticals		
Uses	Bi-axially Oriented Film		
	Cast Film		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Coextruded Film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3/25
MD : 50 µm, Cast Film	260	MPa	
TD : 50 µm, Cast Film	240	MPa	
Tensile Stress			ISO 527-3/500
Yield, 50 µm, Cast Film	15.0	MPa	
TD : Yield, 50 µm, Cast Film	14.0	MPa	
MD : Break, 50 µm, Cast Film	41.0	MPa	
TD : Break, 50 µm, Cast Film	41.0	MPa	
Tensile Elongation			
MD : Yield, 50 µm, Cast Film	18	%	ISO 527-3/50
TD : Yield, 50 µm, Cast Film	16	%	ISO 527-3/500
Break, 50 µm, Cast Film	900	%	ISO 527-3/500
TD : Break, 50 µm, Cast Film	900	%	ISO 527-3/500
Seal Initiation Temperature	105	°C	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	61.0	°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)	91		ASTM D2457
Haze (50.0 µm, Cast Film)	0.20	%	ASTM D1003

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