

Adsyl 7423 XCP

Polyolefin
LyondellBasell Industries

Message:

Adsyl 7423 XCP is an advanced polyolefin, specially designed for use as a sealing layer in co-extruded film applications. This grade features a low seal initiation temperature.
It contains anti-blocking additives.
For regulatory information please refer to Adsyl 7423 XCP Product Stewardship Bulletin (PSB).

General Information			
Additive	Antiblock		
Features	Antiblocking		
	Good Heat Seal		
	Low Temperature Heat Sealability		
	Opticals		
Uses	Bi-axially Oriented Film		
	Cast Film		
	Film		
Processing Method	Cast Film		
	Coextruded Film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm³	ASTM D792, ISO 1183/A
Melt Mass-Flow Rate (MFR)			
--	5.5	g/10 min	ASTM D1238
230°C/2.16 kg	5.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	24.0	MPa	ASTM D638, ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus			
--	750	MPa	ASTM D790
--	700	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	ISO 527-3/25
Tensile Modulus			
MD : 50 µm, Cast Film	340	MPa	
TD : 50 µm, Cast Film	340	MPa	ISO 527-3/500
Tensile Stress			
MD : Yield, 50 µm, Cast Film	17.0	MPa	

TD : Yield, 50 µm, Cast Film	16.0	MPa	
MD : Break, 50 µm, Cast Film	25.0	MPa	
TD : Break, 50 µm, Cast Film	35.0	MPa	
Tensile Elongation			ISO 527-3/500
MD : Yield, 50 µm, Cast Film	15	%	
TD : Yield, 50 µm, Cast Film	14	%	
MD : Break, 50 µm, Cast Film	650	%	
TD : Break, 50 µm, Cast Film	850	%	
Seal Initiation Temperature	110 to 115	°C	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, Unannealed	67.0	°C	ISO 75-2/B
1.8 MPa, Unannealed	74.0	°C	ASTM D648, ISO 75-2/A
Melting Temperature	130	°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)	0.90	%	ASTM D1003

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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



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