



Adsyl 7423 XCP

LyondellBasell Industries - Polyolefin

Tuesday, November 5, 2019

General Information

Product Description

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

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Additive	• Antiblock		
Features	• Antiblocking • Good Optical Properties	• Heat Sealable • Low Temperature Heat Sealability	
Uses	• Bi-axially Oriented Film • Cast Film	• Film • Food Packaging	• Laminates • Packaging
Processing Method	• Bi-axially Oriented Film • Cast Film	• Coextruded Film • Double-Bubble Film	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.902		ASTM D792
Density	0.900	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate	5.5	g/10 min	ASTM D1238
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	3480	psi	ASTM D638
Tensile Stress (Yield)	3480	psi	ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus	109000	psi	ASTM D790
Flexural Modulus	102000	psi	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3/25
MD : 2.0 mil, Cast Film	49300	psi	
TD : 2.0 mil, Cast Film	49300	psi	
Tensile Stress			ISO 527-3/500
MD : Yield, 2.0 mil, Cast Film	2470	psi	
TD : Yield, 2.0 mil, Cast Film	2320	psi	
Tensile Stress			ISO 527-3/500
MD : Break, 2.0 mil, Cast Film	3630	psi	
TD : Break, 2.0 mil, Cast Film	5080	psi	
Tensile Elongation			ISO 527-3/500
MD : Break, 2.0 mil, Cast Film	650	%	
TD : Break, 2.0 mil, Cast Film	850	%	

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Films	Nominal Value	Unit	Test Method
Tensile Elongation			ISO 527-3/500
MD : Yield, 2.0 mil, Cast Film	15	%	
TD : Yield, 2.0 mil, Cast Film	14	%	
Seal Initiation Temperature	230 to 239	°F	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	153	°F	ISO 75-2/B
Deflection Temperature Under Load			ASTM D648
264 psi, Unannealed	165	°F	
Heat Deflection Temperature (264 psi, Unannealed)	165	°F	
Melting Temperature	266	°F	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 1.97 mil)	91		ASTM D2457
Haze (1.97 mil)	0.900	%	ASTM D1003

Notes

¹ Typical properties: these are not to be construed as specifications.