



Adsyl 7416 XCP

LyondellBasell Industries - Polyolefin

Tuesday, November 5, 2019

General Information

Product Description

Adsyl 7416 XCP is an advanced polyolefin selected by customers for use as a sealing layer in coextruded film applications. This grade features a low seal initiation temperature and good optics. It does not contain slip or anti-block additives.

General

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

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density (73°F)	0.900	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	7.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	3050	psi	ISO 527-2
Tensile Strain (Yield)	14	%	ISO 527-2
Flexural Modulus	87000	psi	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3/25
MD : 2.0 mil, Cast Film	42100	psi	
TD : 2.0 mil, Cast Film	46400	psi	
Tensile Stress			ISO 527-3/500
MD : Yield, 2.0 mil, Cast Film	2180	psi	
TD : Yield, 2.0 mil, Cast Film	2180	psi	
Tensile Stress			ISO 527-3/500
MD : Break, 2.0 mil, Cast Film	5800	psi	
TD : Break, 2.0 mil, Cast Film	6090	psi	
Tensile Elongation			ISO 527-3/500
MD : Break, 2.0 mil, Cast Film	950	%	
TD : Break, 2.0 mil, Cast Film	900	%	
Tensile Elongation			ISO 527-3/500
MD : Yield, 2.0 mil, Cast Film	19	%	
TD : Yield, 2.0 mil, Cast Film	12	%	
Seal Initiation Temperature	239	°F	Internal Method
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	149	°F	ISO 75-2/B
Vicat Softening Temperature	239	°F	ISO 306/A50
Melting Temperature	271	°F	ISO 11357-3

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Optical	Nominal Value	Unit	Test Method
Gloss (45°, 1.97 mil)	90		ASTM D2457
Haze (1.97 mil)	0.500	%	ASTM D1003

Notes

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