



Adsyl 3 C 30 F HP

LyondellBasell Industries - Polyolefin

Tuesday, November 5, 2019

General Information

Product Description

Adsyl 3 C 30 F HP is an advanced polyolefin, specially designed for use as a sealing or metallized layer in co-extruded film applications. This grade features a low seal initiation temperature, a high melting point and good optics. It does not contain slip or anti-block additives.

For regulatory information please refer to Adsyl 3 C 30 F HP Product Stewardship Bulletin (PSB).

General

Material Status	• Commercial: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Good Optical Properties • Good Stiffness	• Heat Sealable • High Heat Resistance	• Low Temperature Heat Sealability • Metallizable
Uses	• Bi-axially Oriented Film • Cast Film • Film	• Food Packaging • Laminates • Packaging	• Shrink 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	0.900	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	5.5	g/10 min	ISO 1133
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3/25
MD : 2.0 mil, Cast Film	58000	psi	
TD : 2.0 mil, Cast Film	58000	psi	
Tensile Stress			ISO 527-3/500
MD : Yield, 2.0 mil, Cast Film	2610	psi	
TD : Yield, 2.0 mil, Cast Film	2610	psi	
Tensile Stress			ISO 527-3/500
MD : Break, 2.0 mil, Cast Film	6380	psi	
TD : Break, 2.0 mil, Cast Film	5510	psi	
Tensile Elongation			ISO 527-3/500
MD : Break, 2.0 mil, Cast Film	850	%	
TD : Break, 2.0 mil, Cast Film	850	%	
Tensile Elongation			ISO 527-3/500
MD : Yield, 2.0 mil, Cast Film	12	%	
TD : Yield, 2.0 mil, Cast Film	10	%	
Seal Initiation Temperature	234	°F	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (66 psi, Unannealed)	160	°F	ISO 75-2/B
Vicat Softening Temperature	252	°F	ISO 306/A50
Melting Temperature	279	°F	
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 1.97 mil)	91		ASTM D2457

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Optical	Nominal Value	Unit	Test Method
Haze (1.97 mil)	0.400	%	ASTM D1003

Notes

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