



Adsyl 7416 XCP

Advanced Polyolefin

Product Description

Adsyl 7416 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 and good optics. It does not contain slip or anti-block additives.

For regulatory compliance information see the Adsyl 7416 XCP Product Stewardship Bulletin (PSB).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	Europe, North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Double Bubble
Features	Low Temperature Heat Sealability, Good Optical Properties
Typical Customer Applications	Film, Food Packaging Film, Lamination Film

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.90	g/cm ³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	7.5	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	21	MPa
Tensile Strain at Yield	ISO 527-1, -2	14	%
Flexural modulus	ISO 178	600	MPa
Thermal			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	65	°C
Melting temperature	DSC	133	°C
<i>Note:</i> ISO 11357-3			
Vicat softening temperature A/50	ISO 306	115	°C
Optical			
Haze (50 µm)	ASTM D 1003	0.5	%
Gloss (45°, 50 µm)	ASTM D 2457	90	
Film			
Seal initiation temperature		115	°C
<i>Note:</i> Internal Test Method			

Additional Properties

Tensile Young modulus, MD/TD, ISO 527-3, 25 mm/min, 50 µm: 290/320 MPa
Stress at Yield, MD/S, ISO 527-3, 500 mm/min, 50 µm: 15/15 MPa
Elongation at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 19/12 %
Stress at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 40/42 MPa
Elongation at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 950/900 %

Film properties obtained on cast film produced with laboratory line under internal standard conditions.

Notes

Typical properties; not to be construed as specifications.