

Adsyl 5 Q 39 F

Polyolefin
LyondellBasell Industries

Message:

Adsyl 5 Q 39 F is an advanced polyolefin, specially designed for use as a sealing layer in co-extruded film applications. This grade features a very low seal initiation temperature and a low flow. It contains anti-block additives.

General Information			
Additive	Antiblock		
Features	Antiblocking		
	Good Stiffness		
	High Heat Resistance		
	High Shrinkage		
	Low Flow		
	Low Temperature Heat Sealability		
Uses	Bags		
	Film		
	Laminates		
	Packaging		
	Shrink Wrap		
Forms	Pellets		
Processing Method	Coextruded Film		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.90	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Flexural Modulus	480	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-3/25
MD : 50 µm, Cast Film	470	MPa	ISO 527-3/500
TD : 50 µm, Cast Film	480	MPa	
Tensile Stress			ISO 527-3/500
MD : Yield, 50 µm, Cast Film	22.0	MPa	ISO 527-3/500
TD : Yield, 50 µm, Cast Film	21.0	MPa	
MD : Break, 50 µm, Cast Film	42.0	MPa	
TD : Break, 50 µm, Cast Film	31.0	MPa	
Tensile Elongation			ISO 527-3/500

MD : Yield, 50 μm, Cast Film	16	%	
TD : Yield, 50 μm, Cast Film	15	%	
MD : Break, 50 μm, Cast Film	800	%	
TD : Break, 50 μm, Cast Film	830	%	
Seal Initiation Temperature	105	°C	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	52.0	°C	ISO 75-2/B
Vicat Softening Temperature	107	°C	ISO 306/A50
Melting Temperature	132	°C	ISO 11357-3
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 μm, Cast Film)	38		ASTM D2457
Haze (50.0 μm, Cast Film)	19	%	ASTM D1003

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