Adsyl 5 Q 39 F

Advanced Polyolefin

Product Description

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.

For regulatory information please refer to *Adsyl* 5 Q 39 F 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	Blown Film, Double Bubble
Features	Low Flow , High Heat Resistance , High Shrinkage, Good Stiffness
Typical Customer Applications	Bags & Pouches, Heavy Duty Packaging, Hygiene Film, Lamination Film, Peelable Film, Shrink Film

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.90	g/cm³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	0.9	g/10 min
Mechanical			
Flexural modulus	ISO 178	480	MPa
Thermal			
Melting temperature		132	°C
Note: ISO 11357-3			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	52	°C
Vicat softening temperature A/50	ISO 306	107	°C
Optical			
Haze (50 µm)	ASTM D 1003	19	%
Gloss (45°, 50 µm)	ASTM D 2457	38	
Film			
Seal initiation temperature		105	°C
Note: Internal test method			

Additional Properties

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

Tensile Young modulus, MD/TD, ISO 527-3, 25 mm/min, 50 µm: 470/480 MPa
Stress at Yield, MD/TD,ISO 527-3, 500 mm/min, 50 µm: 22/21 MPa
Elongation at Yield, MD/TD,ISO 527-3, 500 mm/min, 50 µm: 16/15 %
Stress at Break, MD/TD,ISO 527-3, 500 mm/min, 50 µm: 42/31 MPa
Elongation at Break, MDTD, ISO 527-3, 500 mm/min, 50 µm: 800/830 %

Notes

Typical properties; not to be construed as specifications.