



## Adsy/ 5 C 33 F

### Advanced Polyolefin

#### Product Description

Adsy/ 5 C 33 F is an advanced polyolefin, specially designed for use as a sealing or metallized layer in co-extruded film applications.

This grade features a very low seal initiation temperature and good optics.

It does not contain slip or anti-block additives and it is Calcium Stearate free.

For regulatory information please refer to Adsy/ 5 C 33 F Product Stewardship Bulletin (PSB).

#### Product Characteristics

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

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density (Method A)	ISO 1183	0.90	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	5.5	g/10 min
<b>Thermal</b>			
Melting temperature		132	°C
Note: ISO 11357-3			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	62	°C
Vicat softening temperature A/50	ISO 306	107	°C
<b>Optical</b>			
Haze (50 µm)	ASTM D 1003	0.6	%
Gloss (45°, 50 µm)	ASTM D 2457	88	
<b>Film</b>			
Seal initiation temperature		105	°C
Note: Internal test method			

#### Additional Properties

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

Tensile Young modulus, MD/TD, ISO 527-3, 25 mm/min, 50 µm: 280/280 MPa

Stress at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 14/14 MPa

Elongation at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 17/15 %

Stress at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 45/35 MPa

Elongation at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 900/800 %

#### Notes

Typical properties; not to be construed as specifications.