



## Adflex C 200 F

### Advanced Polyolefin

#### Product Description

Adflex C 200 F is developed for the central layer of tough, transparent co-extruded cast-film structures. It combines transparency with high softness, a very high toughness even at low temperatures and an excellent compatibility with other polyolefins. It does not contain any slip nor anti-blocking agents. Typical applications of the Adflex C 200 F are co-extruded cast-film for food packaging, hygiene applications, surface protection where the outside layer can be any polyolefin homo or copolymer.

For regulatory information please refer to Adflex C 200 F Product Stewardship Bulletin (PSB).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
<b>Processing Methods</b>	Cast Film, Extrusion Coating, Extrusion Thermoforming
<b>Features</b>	High Clarity, Soft, Good Toughness, Low Temperature Toughness
<b>Typical Customer Applications</b>	Bags & Pouches, Barrier Film, Breathable Film, Film Wrap, Food Packaging Film, Lamination Film, Peelable Film, Stationery Film

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density (Method A)	ISO 1183	0.89	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	6	g/10 min
<b>Mechanical</b>			
Tensile Stress at Yield	ISO 527-1, -2	8	MPa
Tensile Strain at Break	ISO 527-1, -2	500	%
Flexural modulus	ISO 178	220	MPa
<b>Impact</b>			
Notched izod impact strength	ISO 180		
(- 20 °C, Type 1, Notch A)		65	kJ/m <sup>2</sup>
(23 °C, Type 1, Notch A)		No break	
<b>Hardness</b>			
Shore hardness (Shore D)	ISO 868	41	
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	50	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	89	°C
<b>Optical</b>			
Haze (50 µm)	ASTM D 1003	8	%
Gloss (45°, 50 µm)	ASTM D 2457	47	

#### 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: 125/110 MPa  
 Stress at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 8/8 MPa  
 Elongation at Yield, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 26/23 %  
 Stress at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 30/24 MPa  
 Elongation at Break, MD/TD, ISO 527-3, 500 mm/min, 50 µm: 990/890 %

#### Notes

Typical properties; not to be construed as specifications.