

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

Status	Commercial: Active
Test Method used	ISO
Processing Methods	Cast Film, Extrusion Coating, Extrusion Thermoforming
Features	High Clarity, Soft, Good Toughness, Low Temperature Toughness
Typical Customer Applications	Bags & Pouches, Barrier Film, Breathable Film, Film Wrap, Food Packaging Film, Lamination Film, Peelable Film, Stationery Film

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.89	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	6	g/10 min
Mechanical			
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
Impact			
Notched izod impact strength (- 20 °C, Type 1, Notch A)	ISO 180	65	kJ/m²
(23 °C, Type 1, Notch A)		No break	
Hardness			
Shore hardness (Shore D)	ISO 868	41	
Thermal			
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
Optical			
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.

