

Adflex C 200 F

Polyolefin
LyondellBasell Industries

Message:

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).

General Information	
Features	Good Toughness
	High Clarity
	Low Temperature Toughness
	Soft
Uses	Bags
	Cast Film
	Film
	Food Packaging
	Laminates
	Pouches - Flexible Packaging
	Stationary Supplies
Forms	Pellets
Processing Method	Cast Film
	Coextruded Film
	Extrusion Coating
	Thermoforming

Physical	Nominal Value	Unit	Test Method
Density	0.890	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	41		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	8.00	MPa	ISO 527-2
Tensile Strain (Break)	500	%	ISO 527-2
Flexural Modulus	220	MPa	ISO 178
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	50	µm	

Tensile Modulus			ISO 527-3/25
MD : 50 µm, Cast Film	125	MPa	
TD : 50 µm, Cast Film	110	MPa	
Tensile Stress			ISO 527-3/500
MD : Yield, 50 µm, Cast Film	8.00	MPa	
TD : Yield, 50 µm, Cast Film	8.00	MPa	
MD : Break, 50 µm, Cast Film	30.0	MPa	
TD : Break, 50 µm, Cast Film	24.0	MPa	
Tensile Elongation			ISO 527-3/500
MD : Yield, 50 µm, Cast Film	26	%	
TD : Yield, 50 µm, Cast Film	33	%	
MD : Break, 50 µm, Cast Film	990	%	
TD : Break, 50 µm, Cast Film	890	%	
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength			ISO 180/1A
-20°C	65	kJ/m ²	
23°C	No Break		
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	50.0	°C	ISO 75-2/B
Vicat Softening Temperature	89.0	°C	ISO 306/A50
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 50.0 µm, Cast Film)	47		ASTM D2457
Haze (50.0 µm, Cast Film)	8.0	%	ASTM D1003

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