

Adflex Q 200 F

Advanced Polyolefin

Product Description

Adflex Q 200 F is a reactor TPO (thermoplastic polyolefin) manufactured using LyondellBasell's proprietary *Catalloy* process technology. Adflex Q 200 F features a fractional melt flow and a low modulus. It is designed for extrusion applications.

This resin is ideal for making soft hygienic or heavy duty films. It can also be used to modify LDPE or LLDPE resins in order to improve puncture resistance and other mechanical characteristics to allow further downgauging. It contains no slip or antiblock. This grade is available in natural pellet form.

For regulatory compliance information, see the *Adsy/ Q 200 F Product Stewardship Bulletin (PSB)*.

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Features	Good Flexibility, Low Flow, Good Impact Resistance, Good Processability, High Strength, Good Toughness
Typical Customer Applications	Automotive Parts, Film

Typical Properties	Method	Value	Unit
Physical			
Density (Method A)	ISO 1183	0.88	g/cm ³
Melt flow rate (MFR) (230 °C/ 2.16 kg)	ISO 1133	0.8	g/10 min
Mechanical			
Tensile Stress at Yield	ISO 527-1, -2	8	MPa
Tensile Strain at Break	ISO 527-1, -2	350	%
Tensile Strain at Yield	ISO 527-1, -2	18	%
Flexural modulus	ISO 178	150	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	No Break	
Hardness			
Shore hardness D	ISO 868/ASTM D 2240	49	

Note: 15 seconds

Notes

Typical properties; not to be construed as specifications.

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or component of one of the aforementioned Medical Devices; (3) packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration; (4) tobacco related products and applications; (5) electronic cigarettes and similar devices; and (6) pressure pipe or fittings that are considered a part or component of a nuclear reactor.

(iii) Additionally, the product(s) may not be used in: (1) U.S. FDA Class III, Health Canada Class IV, and/or European Class III Medical Devices; (2) applications involving permanent implantation into the body; (3) life-sustaining medical applications; and (4) lead, asbestos or MTBE related applications.

All references to U.S. FDA, Health Canada, and European Union regulations include another country's equivalent regulatory classification.

Users should review the applicable Material Safety Data Sheet before handling the product.

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