

Adflex Q 108 F

Thermoplastic Polyolefin Elastomer

LyondellBasell Industries

Message:

Adflex Q 108 F is a reactor TPO (thermoplastic polyolefin) manufactured using LyondellBasell's proprietary Catalloy process technology. It is suitable for the extrusion and calendering of soft film and sheet, for the impact modification of polypropylene and other compounding applications, as well as monolayer and multilayer air quenched blown films. It is also used by our customers for automotive color-matched interior trim applications. The grade is available in natural pellet form and has no slip or antiblock, and only minimal stabilization in order to allow wider design latitude for the compounder. Additional suitable stabilization is recommended to protect the resin during melt processing and throughout its useful life.

General Information	
Features	High ESCR (Stress Cracking Resistance)
	Gloss, low
	Perforation resistance
	Impact resistance, good
	Good flexibility
	Good coloring
	Heat resistance, medium
	Hardness, low
Uses	Blown Film
	Films
	Bags
	Building materials
	Architectural application field
	Sheet
	Application in Automobile Field
	Car interior equipment
	Plastic modification
	Stationery
	Profile
Appearance	Natural color
Forms	Particle
Processing Method	Blow film
	Pipeline extrusion molding
	Compound extrusion
	Extrusion
	Sheet extrusion molding
	Thermoforming
	Calendering

Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.60	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	30		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	11.0	MPa	ISO 527-2
Tensile Strain (Break)	> 500	%	ISO 527-2
Flexural Modulus	80.0	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-40°C, partial fracture	6.0	kJ/m ²	ISO 180/1A
-20°C	No Break		ISO 180/1A
23°C	No Break		ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	40.0	°C	ISO 75-2/B
Vicat Softening Temperature	60.0	°C	ISO 306/A50
Melting Temperature	142	°C	ISO 11357-3

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