

Adflex Q 302 B

Polyolefin
LyondellBasell Industries

Message:

Adflex Q 302 B is a reactor TPO (thermoplastic polyolefin) manufactured using LyondellBasell's proprietary Catalloy process technology. It is an innovative material that resists gas fading and brings a warm and sensual feel, creating a truly unique sensation.

Part of a family of polymers with a soft, velvety texture, Adflex Q 302 B resin enables packagers to give their products a distinct edge over conventional plastics. Bottles blow molded from Adflex Q 302 B resin conveys an upscale, quality image that enhances point of purchase appeal. The unique texture is also ideal for applications requiring a no-slip surface, such as shower soaps and lotions.

For regulatory compliance information, see the Adflex Q 302 B Product Stewardship Bulletin (PSB).

General Information			
Additive	Anti-gas fading		
Features	Gas-fading Resistant		
	Good Chemical Resistance		
	Good Surface Finish		
	High ESCR (Stress Crack Resist.)		
	High Heat Resistance		
	High Strength		
	Puncture Resistant		
	Recyclable Material		
Uses	Blow Molding Applications		
	Packaging		
	Sporting Goods		
	Toys		
Forms	Pellets		
Processing Method	Extrusion Blow Molding		
	Injection Blow Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.880	g/cm ³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.90	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, 15 sec)	47		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield, 23°C	8.50	MPa	
Break	9.50	MPa	
Tensile Strain			ISO 527-2

Yield	37	%	
Break	> 500	%	
Flexural Modulus (23°C)	350	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	47	kJ/m ²	ISO 180/1A

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