



Adflex Q 302 B

Advanced Polyolefin

Product Description

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).

Product Characteristics

Status	Commercial: Active
Test Method used	ISO
Availability	North America, Asia-Pacific, Australia/NZ, Africa-Middle East, Latin America
Processing Methods	Extrusion Blow Molding, Injection Blow Molding
Features	Good Chemical Resistance, High ESCR (Environmental Stress Cracking Resistance), Gas-fading Resistant, High Heat Resistance , Good Puncture Resistance , Recyclable Material, High Strength , Good Surface Finish
Typical Customer Applications	Blow Moulding Applications, Sports, Leisure and Toys

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	0.9	g/10 min
Mechanical			
Tensile Stress at Break (°C)	ISO 527-1, -2	9.5	MPa
Tensile Stress at Yield (23 °C)	ISO 527-1, -2	8.5	MPa
Tensile Strain at Break	ISO 527-1, -2	>500	%
Tensile Strain at Yield	ISO 527-1, -2	37	%
Flexural modulus (23 °C)	ISO 178	350	MPa
Impact			
Notched izod impact strength (23 °C, Type 1, Notch A)	ISO 180	47	kJ/m ²
Hardness			
Shore hardness D	ISO 868/ASTM D 2240	47	
Note: 15 seconds			

Notes

Typical properties; not to be construed as specifications.