Adflex Q 100 F

TPO — LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.6	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Stress at Break	10	MPa	ISO 527
Strain at Break	>50	%	ISO 527
Flexural Modulus (23°C)	100	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	no break	kJ/m²	ISO 180/1A
Notched Impact Strength (Izod)	no break	kJ/m²	ISO 180/1A
Temperature	-20	°C	-
Shore Hardness D (15s)	30	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	140	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	40	°C	ISO 75-1/-2
Vicat softening temperature A	60	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	880	kg/m³	ISO 1183

Film Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus, parallel	90	MPa	ISO 527-3
Tensile Modulus, normal	90	MPa	ISO 527-3
Stress at Yield, parallel	7.5	MPa	ISO 527-3
Stress at Yield, normal	7.5	MPa	ISO 527-3
Strain at Yield, parallel	40	%	ISO 527-3
Strain at Yield, normal	40	%	ISO 527-3
Stress at Break, parallel	40	MPa	ISO 527-3
Stress at Break, normal	37	MPa	ISO 527-3
Maximum strain, parallel	1000	%	ISO 527-3
Maximum strain, normal	1000	%	ISO 527-3
Type of extrusion	blown	-	-
Thickness of specimen	0.05	mm	-

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	9	-	ASTM D 2457
Haze	50	%	ASTM D 1003

Characteristics

Processing
Sheet Extrusion, Blow Molding, Blown Film Extrusion

Special Characteristics
Impact modified

Features
Soft Feel

Certifications
Food approval, Food approval 1935/2004/EC, Food approval 10/2011, Food Contact (FDA)

Applications
Packaging

Disclaimer

Liability Exclusion
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