

Adflex Q 300 F

TPO

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.8	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Yield stress	9	MPa	ISO 527
Yield strain	35	%	ISO 527
Stress at Break	13	MPa	ISO 527
Strain at Break	>50	%	ISO 527
Notched Impact Strength (Charpy), +23°C	no break	kJ/m ²	ISO 179/1eA
Flexural Modulus (23°C)	330	MPa	ISO 178
Shore Hardness D (15s)	36	-	ISO 868

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	163	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	50	°C	ISO 75-1/-2
Vicat softening temperature A	78	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	880	kg/m ³	ISO 1183

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	4	-	ASTM D 2457
Haze	95	%	ASTM D 1003

Characteristics

Processing

Profile Extrusion, Sheet Extrusion, Other Extrusion, Blow Molding, Calendering, Blown Film Extrusion

Applications

Packaging

Certifications

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