

Adflex Z 108 S

TPO

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	27	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Yield stress	5	MPa	ISO 527
Yield strain	20	%	ISO 527
Stress at Break	6	MPa	ISO 527
Strain at Break	>50	%	ISO 527
Flexural Modulus (23°C)	80	MPa	ISO 178
Notched Impact Strength (Izod), 23°C	no break	kJ/m ²	ISO 180/1A
Notched Impact Strength (Izod)	2	kJ/m ²	ISO 180/1A
Temperature	-40	°C	-
Shore Hardness A (15s)	85	-	ISO 868
Shore Hardness D (15s)	30	-	ISO 868
ASTM Data			
Tear Strength	62	kN/m	ASTM D 624

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	142	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	37	°C	ISO 75-1/-2
Vicat softening temperature A	53	°C	ISO 306

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	890	kg/m ³	ISO 1183

Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	66	-	ASTM D 2457

Characteristics
Processing

Injection Molding, Film Extrusion, Coating

Delivery form

Pellets, Natural Color

Special Characteristics

Impact modified

Features

Soft Feel

Certifications

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