

Adsyl 5 C 30 F PP OTHERS

LyondellBasell Industries

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index	5.5	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	2.16	kg	-
Density, 73°F	902	kg/m³	ASTM D 792
Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	5.5	g/10min	ISO 1133
MFI temperature	230	°C	-
MFI load	2.16	kg	-
Mechanical Properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	21.4	MPa	ASTM D 638
Elongation at Yield	13	%	ASTM D 638
Notched Impact Strength (Izod), 1/8 in	85.4	J/m	ASTM D 256
Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	132	°C	ISO 11357-1/-3
Temp. of deflection under load (0.45 MPa)	62	°C	ISO 75-1/-2
Vicat softening temperature A	107	°C	ISO 306
ASTM Data			
DTUL @ 66 psi	62.8	°C	ASTM D 648
Other Properties	Value	Unit	Test Standard
ISO Data			
Density	900	kg/m³	ISO 1183
Film Properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus, parallel	280	MPa	ISO 527-3
Tensile Modulus, normal	280	MPa	ISO 527-3
Stress at Yield, parallel	14	MPa	ISO 527-3
Stress at Yield, normal	14	MPa	ISO 527-3
Strain at Yield, parallel	17	%	ISO 527-3
Strain at Yield, normal	15	%	ISO 527-3
Stress at Break, parallel	45	MPa	ISO 527-3
Stress at Break, normal	35	MPa	ISO 527-3
Maximum strain, parallel	900	%	ISO 527-3
Maximum strain, normal	800	%	ISO 527-3
Type of extrusion	cast	-	-
Thickness of specimen	0.05	mm	-
Optical Properties	Value	Unit	Test Standard
ASTM Data			
Gloss	88	-	ASTM D 2457
Haze	0.6	%	ASTM D 1003

Characteristics

Processing

Film Extrusion

Features

Heat Sealable

Certifications

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

Applications

Packaging