

Akoalit PB 4237 Grey

PB

LyondellBasell Industries

Rheological properties	Value	Unit	Test Standard
ISO Data			
Melt Flow Index, MFI	0.4	g/10min	ISO 1133
MFI temperature	190	°C	-
MFI load	2.16	kg	-

Mechanical Properties	Value	Unit	Test Standard
ISO Data			
Flexural Modulus (23°C)	450	MPa	ISO 178
Yield stress	17	MPa	ISO 8986-2
Stress at Break	30	MPa	ISO 8986-2
Strain at Break	200	%	ISO 8986-2

Thermal Properties	Value	Unit	Test Standard
ISO Data			
Melting Temperature (10°C/min)	129	°C	ISO 11357-1/-3

Other Properties	Value	Unit	Test Standard
ISO Data			
Density	938	kg/m³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Melt temperature	200 - 240	°C	-

Processing Recommendation Extrusion	Value	Unit	Test Standard
Melt temperature	180 - 200	°C	-

Characteristics

Processing Injection Molding, Sheet Extrusion, Pipe/Tube Extrusion	Chemical Resistance Hydrolysis
Delivery form Pellets	Certifications Food approval, Water contact
Features Creep Resistance, Thermal Stability, Weldable, Homopolymer	Applications Building Construction