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## **Technical Data Sheet**

## Akoalit PB DKG 300

Polybutene-1



## **Product Description**

Akoalit PB DKG 300 is a glass fibre reinforced high flow polyolefin homopolymer manufactured from butene-1 monomer. It can be used where outstanding creep, high stiffness, low thermal expansion and property retention at elevated temperature are key requirements.

The grade is typically used for fitting applications such as fitting bodies, support rings, etc. in combination with hot and cold potable water pipe installations. It provides improved surface aesthetic properties combined with excellent tensile and flexural creep performance.

Akoalit PB DKG 300 is available in natural colour in pellet form.

Akoalit PB DKG 300 may not be used in the manufacture of pipe applications intended for sale or shipment to North America, without prior written approval by Seller for each specific product and application.

This grade is not intended for medical and pharmaceutical applications.

This grade is supported for use in drinking water applications.

Application Automotive Parts; Furniture & Buildings; Industrial; Industrial Packaging; Outdoor and

Power Tools; Plumbing, Heating & Cooling; Small Appliances

Market Automotive; Compounding; Consumer Products; Electrical / Electronics; Industrial

Packaging; Industrial, Building & Construction; Rigid Packaging

Processing Method Injection Molding

Attribute Good Mold Release; Good Moldability; Good Organoleptic Properties; Good Thermal

Stability; High Stiffness; Weldable

2.0	g/10 min	Test Method
	g/10 min	
	g/10 min	
1 215	•	ISO 1133-1
1.313	g/cm³	ISO 1183-1
5200	MPa	ISO 527-1, -2
72	MPa	ISO 8986-2
80	MPa	ISO 8986-2
4.5	%	ISO 8986-2
14	kJ/m²	ISO 179
11	kJ/m²	ISO 179
60	kJ/m²	ISO 179
55	kJ/m²	ISO 179
85	MPa	ISO 2039-1
116	°C	ISO 306
180-220	°C	
	72 80 4.5 14 11 60 55 85	1.315 g/cm³  5200 MPa  72 MPa  80 MPa  4.5 %  14 kJ/m²  11 kJ/m²  60 kJ/m²  55 kJ/m²  85 MPa