

Technical Data Sheet

Akoafloor PB R509 CAMEL

Polybutene-1

Product Description

Akoafloor PB R 509 CAMEL is a highly isotactic random copolymer manufactured from butene-1 monomer. The product provides good long term hydrostatic strength also at elevated temperatures combined with extremely high flexibility.

Akoafloor PB R 509 CAMEL complies with requirements specified in ISO 12230, DIN 16968/DIN 16969 for PB-1 pipe applications. The grade is typically used for under floor heating or surface cooling applications.

Akoafloor PB R 509 CAMEL is available in camel colour in pellet form.

Akoafloor PB R 509 CAMEL 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.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; South & Central America
Application	Underfloor Heating
Market	Industrial, Building & Construction; Pipe
Processing Method	Pipe; Sheet
Attribute	Good Creep Resistance; Good Flexibility; Good Thermal Stability; Random Copolymer; Weldable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	0.70	g/10 min	ISO 1133-1
Density	0.925	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus	370	MPa	ISO 178
Tensile Strength at Break	35	MPa	ISO 8986-2
Tensile Strength at Yield	15	MPa	ISO 8986-2
Tensile Elongation at Break	320	%	ISO 8986-2
Processing Parameters			
Extrusion Temperature	175-190	°C	
Injection Moulding Temperature	200-240	°C	
Cooling Water Temperature	10-12	°C	
Vacuum	30-60	mbar	

Notes

These are typical property values not to be construed as specification limits.