

Technical Data Sheet

Koattro KT MR 05



Polybutene-1

Product Description

Koattro KT MR05 is a plastomeric material based on Lyondellbasell technology with unique characteristics and is highly compatible with Polypropylene (PP).

This product blended with PP enhances softness, elastic recovery, elongation at break and impact resistance whilst improving transparency and reducing stress whitening.

Koattro KT MR05 is available in free flowing pellet form.

This grade is not intended for medical and pharmaceutical applications.

This grade is supported for use in drinking water applications.

Status	Commercial: Active
Availability	Africa-Middle East; Asia-Pacific; Australia and New Zealand; Europe; North America; South & Central America
Application	Appliances; Automotive Parts; Coatings, Protective; Colour Concentrates; Industrial; Polymer Modifier; Products for Use in Property Modification; Sealants; Surface Protection Film
Market	Consumer Products
Processing Method	Blown Film; Calendaring; Cast Film; Compression Molding; Continuous Filament/Spinning; Injection Molding; Spunbond
Attribute	Foamable; Good Melt Strength; Good Processing Stability; High Elasticity; Low Temperature Flexibility; Medium Flow; Superior Sealing Strength; Weldable

Typical Properties	Nominal Value	Units	Test Method
Physical			
Melt Flow Rate, (190 °C/2.16 kg)	1.3	g/10 min	ISO 1133-1
Density	0.870	g/cm ³	ISO 1183-1
Mechanical			
Flexural Modulus, (23 °C)	<10	MPa	ISO 178
Tensile Strength at Break	12	MPa	ISO 8986-2
Tensile Elongation at Break	>800	%	ISO 8986-2
Impact			
Charpy Impact Strength - Notched, (-20 °C) Note: NB=no break	NB	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore A)	60		ISO 868
Additional Information			
Compression Set Note: Compression set measured at 23°C (25% deformation)	30	%	ASTM D395