

Koattro KT MR 05

Polyolefin Plastomer
LyondellBasell Industries

Message:

Koattro KT MR05 is a novel 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 product is not intended for use in medical and pharmaceutical applications.

General Information	
Features	Resilient recovery, excellent
	Flexibility at low temperatures
	High elasticity
	Foamable property
	Weldable
	Good processing stability
	Good melt strength
	Medium liquidity
Uses	Blown Film
	Films
	Electrical appliances
	Industrial application
	cast film
	Sealant
	Application in Automobile Field
	Automotive exterior parts
	Color masterbatch
	Plastic modification
	Coating application
Forms	Particle
Processing Method	Spunbond Nonwovens
	Blow film
	Extrusion
	cast film
	Filament extrusion
	Fiber (spinning) extrusion
	Compression molding
	Calendering

Injection molding

Physical	Nominal Value	Unit	Test Method
Density	0.870	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore A)	60		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ¹ (Break, Compression Molded)	12.0	MPa	ISO 8986-2
Tensile Strain ² (Break, Compression Molded)	> 800	%	ISO 8986-2
Flexural Modulus ³ (23°C)	< 10.0	MPa	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Compression Set ⁴ (23°C)	30	%	ASTM D395
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-20°C)	No Break		ISO 179
Extrusion	Nominal Value	Unit	
Melt Temperature	200 - 260	°C	

NOTE

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| 1. | Type IV, Conditioned for 10 days at 20°C |
| 2. | Type IV, Conditioned for 10 days at 20°C |
| 3. | Conditioned for 10 days at 20°C |
| 4. | 25% deformation |

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