



Koattro KT MR 05

LyondellBasell Industries - Polyolefin Plastomer

Monday, November 4, 2019

General Information

Product Description

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

Material Status	• Experimental: Active		
Availability	• Africa & Middle East • Asia Pacific	• Europe • Latin America	• North America
Features	• Excellent Elastic Recovery • Foamable • Good Melt Strength	• Good Processing Stability • High Elasticity • Low Temperature Flexibility	• Medium Flow • Weldable
Uses	• Appliances • Automotive Applications • Automotive Exterior Parts • Blown Film	• Cast Film • Coating Applications • Color Concentrates • Film	• Industrial Applications • Plastics Modification • Sealants
Forms	• Pellets		
Processing Method	• Blown Film • Calendering • Cast Film	• Compression Molding • Extrusion • Fiber (Spinning) Extrusion	• Filament Extrusion • Injection Molding • Spunbond Nonwovens

ASTM & ISO Properties ¹

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
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress ² (Break, Compression Molded)	1740	psi	ISO 8986-2
Tensile Strain ² (Break, Compression Molded)	> 800	%	ISO 8986-2
Flexural Modulus ³ (73°F)	< 1450	psi	ISO 178
Elastomers	Nominal Value	Unit	Test Method
Compression Set ⁴ (73°F)	30	%	ASTM D395
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (-4°F)	No Break		ISO 179
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore A)	60		ISO 868

Processing Information

Extrusion	Nominal Value	Unit
Melt Temperature	392 to 500	°F

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Notes

¹ Typical properties: these are not to be construed as specifications.

² Type IV, Conditioned for 10 days at 20°C

³ Conditioned for 10 days at 20°C

⁴ 25% deformation