

Technical Data Sheet

Purell KT MR 07



Polybutene-1

Product Description

Purell KT MR07 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.

Purell KT MR07 is available in free flowing pellet form.

Application	Appliances; Bottles and Vials; Healthcare Applications; Medical Devices; Medical Film; Polymer Modifier; Products for Use in Property Modification; Surface Protection Film
Market	Consumer Products
Processing Method	Blown Film; Calendaring; Cast Film; Compression Molding; Injection Molding; Injection Stretch Blow Molding
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, (23 °C)	12	MPa	ISO 8986-2
Tensile Elongation at Break, (23 °C)	>800	%	ISO 8986-2
Impact			
Charpy Impact Strength - Notched, (-20 °C)	NB	kJ/m ²	ISO 179
Hardness			
Shore Hardness, (Shore A)	60		ISO 868
Additional Information			
Compression Set, (23 °C)	30	%	ASTM D395