

Queo™ 1007

Ethylene-based Plastomer

Borealis AG

Message:

Queo™ 1007 is an ethylene based octene plastomer produced in a solution polymerisation process using a metallocene catalyst.

Queo 1007 is a versatile blend partner for other polyolefins in film, extrusion and moulding applications, offering :

Unrivalled sealing properties

Outstanding toughness, puncture resistance and low temperature impact strength

Excellent polyolefin compatibility

Flexibility

Low amount of extractables

High clarity

Applications:

Demonstrated applications include :

Seal layers in multi layer barrier films

Heat shrinkable film

Caps and closures

PP toughness modification

Compounds

Moulded articles

Additives:

Queo 1007 contains processing stabilizers.

General Information			
Additive	Unspecified Stabilizer		
Features	Good Flexibility		
	Good Heat Seal		
	Good Toughness		
	High Clarity		
	Low Temperature Impact Resistance		
	Puncture Resistant		
Uses	Caps		
	Closures		
	Compounding		
	Seals		
Processing Method	Blown Film		
	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.6	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	800	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method

Shore Hardness (Shore D)	43		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	17.0	MPa	ISO 527-2/5A
Tensile Strain (Break)	900	%	ISO 527-2/5A
Flexural Modulus	118	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength (23°C)	No Break		ISO 180/1A
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	< -76.0	°C	ASTM D746
Vicat Softening Temperature	88.0	°C	ISO 306/A
Melting Temperature (DSC)	105	°C	ISO 11357

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