

# Queo™ 0210

Ethylene-based Plastomer

Borealis AG

## Message:

Queo™ 0210 is an ethylene based octene plastomer, produced in a solution polymerisation process using a metallocene catalyst.

Queo 0210 is an effective and versatile blend partner for other polyolefin polymers, providing :

Excellent PP compatibility

High flexibility

Outstanding toughness

Excellent low-temperature flex-cracking resistance

High clarity

Applications:

Demonstrated applications include :

Household consumer goods

High clarity PP moulded goods

Closures

Masterbatch carrier

Wire and cable compounds

Highly filled compounds

Extrusion coated structures

General Information			
Features	Good Crack Resistance		
	Good Flexibility		
	Good Toughness		
	High Clarity		
Uses	Closures		
	Household Goods		
	Masterbatch		
	Wire & Cable Applications		
Processing Method	Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm <sup>3</sup>	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	10	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	38		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Break)	14.0	MPa	ISO 527-2/5A
Tensile Strain (Break)	930	%	ISO 527-2/5A
Flexural Modulus	65.0	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	75.0	°C	ISO 306/A
Melting Temperature (DSC)	97.0	°C	ISO 11357
Extrusion	Nominal Value	Unit	Test Method
Draw Down	490	m/min	Internal Method
Neck-in - 100 m/min	68.0	mm	Internal Method

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