

# Queo™ 0230

Ethylene-based Plastomer

Borealis AG

## Message:

Queo™ 0230 is an ethylene based octene plastomer produced in a solution polymerisation process using a metallocene catalyst.

Queo 0230 is designed for applications requiring:

Free flowing pellets

Flexibility

Outstanding toughness and puncture resistance

Low temperature flex-cracking and impact resistance

High clarity

High filler acceptance

Excellent polyolefin compatibility

Applications:

Demonstrated applications include :

Carpet backing

Colour master batches

Highly filled compounds

Powder coating

Extrusion coated structures

Additives:

Queo 0230 contains processing stabilizers

General Information			
Additive	Unspecified Stabilizer		
Features	Good Flexibility		
	Good Toughness		
	High Clarity		
	Low Temperature Impact Resistance		
	Puncture Resistant		
Uses	Carpet Backing		
	Masterbatch		
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)	30	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	< 120	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)	11.0	MPa	ISO 527-2/5A
Tensile Strain (Break)	880	%	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	71.0	°C	ISO 306/A
Melting Temperature (DSC)	97.0	°C	ISO 11357
Extrusion	Nominal Value	Unit	Test Method
Draw Down	520	m/min	Internal Method
Neck-in - 100 m/min	64.0	mm	Internal Method

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