Queo™ 0203

Ethylene-based Plastomer

Borealis AG

Message:

Queo™ 0203 is an ethylene based octene plastomer produced using a metallocene catalyst in a solution polymerisation process.
Queo 0203 is a versatile blend partner for other polyolefins in cast film, extrusion and moulding applications, offering :
Unrivalled sealing properties
Outstanding toughness, puncture resistance and low temperature impact strength
Excellent polyolefin compatibility
Flexibility
High clarity
Applications:
Demonstrated applications include :
Seal layers in lamination and flexible barrier films
Specialty cast stretch applications
PP film toughness modification
Lap sealing to OPP
Halogen free flame retardant compounds
High clarity household articles
Soft foams
Additives:
Queo 0203 contains processing stabilizers.

General Information	
Additive	Unspecified Stabilizer
Features	Flame Retardant Good Flexibility Good Toughness Halogen Free High Clarity
Uses	Film Foam
Processing Method	Cast Film Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.902	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	3.0	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance	> 1000	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)	31.0	MPa	ISO 527-2/5A

Tensile Strain (Break)	820	%	ISO 527-2/5A
Flexural Modulus	72.0	MPa	ISO 178
Films	**Nominal Value**	**Unit**	**Test Method**
Secant Modulus - MD	65.0	MPa	ASTM D882
Dart Drop Impact (Blown Film)	> 32	g	ASTM D1709
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	80.0	°C	ISO 306/A
Melting Temperature (DSC)	96.0	°C	ISO 11357
Optical	**Nominal Value**	**Unit**	**Test Method**
Gloss (45°)	82		ASTM D2457
Haze	2.0	%	ASTM D1003A
Additional Information	**Nominal Value**	**Unit**	**Test Method**
Puncture Resistance	26.5	J/cm	Internal Method
Sealing Initial Temperature	80	°C	ASTM F88

Recommended distributors for this material

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