Queo™ 8210

Ethylene-based Plastomer

Borealis AG

Message:

Queo™ 8210 is an ethylene based octene plastomer produced in a solution polymerisation process using a metallocene catalyst.
Supplied as free flowing pellets, Queo 8210 is designed to offer:
Flexibility
Outstanding toughness and puncture resistance
Low temperature flex-cracking and impact resistance
High clarity
High filler and oil acceptance
Excellent polyolefin compatibility
Applications:
Demonstrated applications include :
Impact modification of injection moulded PP
Halogen free flame retardant compounds
Soft foams, e.g. artificial wine corks
Compounds
Sound deadening sheets
Extrusion coated structures
Additives:
Queo 8210 contains processing stabilizers.

General Information	
Additive	Impact Modifier
	Unspecified Stabilizer
Features	Flame Retardant
	Good Flexibility
	Good Toughness
	Halogen Free
	High Clarity
	Low Temperature Flexibility
	Low Temperature Impact Resistance
	Puncture Resistant
	Sound Damping
Uses	Compounding
	Foam
Forms	Pellets

Physical	Nominal Value	Unit	Test Method
Density	0.882	g/cm³	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			ISO 868
Shore A	84		
Shore D	< 30		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	13.0	MPa	ISO 527-2/5A
Tensile Strain (Break)	1000	%	ISO 527-2/5A
Flexural Modulus	24.0	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	45.0	°C	ISO 306/A
Melting Temperature (DSC)	75.0	°C	ISO 11357
Extrusion	**Nominal Value**	**Unit**	**Test Method**
Draw Down	430	m/min	Internal Method
Neck-in - 100 m/min	69.0	mm	Internal Method

Recommended distributors for this material

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