Queo™ 8230

Ethylene-based Plastomer

Borealis AG

Message:

Queo™ 8230 is an ethylene based octene plastomer produced in a solution polymerisation process using a metallocene catalyst.
Supplied in the form of free flowing pellets, Queo 8230 is designed to offer:
Outstanding flexibility, even at low temperatures
Outstanding toughness
High clarity
High filler acceptance
Excellent polyolefin compatibility
Applications:
Demonstrated applications include :
Impact modification of PP
Halogen free flame retardant compounds
Automotive PP compounds
Rotational moulding
Extrusion coated structures
Additives:
Queo 8230 contains processing stabilizers.

General Information	
Additive	Impact Modifier
	Unspecified Stabilizer
Features	Flame Retardant
	Good Flexibility
	Good Toughness
	Halogen Free
	High Clarity
	Low Temperature Flexibility
Uses	Automotive Applications
	Compounding
Forms	Pellets
Processing Method	Extrusion
	Rotational Molding

Physical	Nominal Value	Unit	Test Method
Density	0.882	g/cm³	ISO 1183
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	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	83		
Shore D	< 30		
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Stress (Break)	7.00	MPa	ISO 527-2/5A
Tensile Strain (Break)	980	%	ISO 527-2/5A
Flexural Modulus	22.0	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	43.0	°C	ISO 306/A
Melting Temperature (DSC)	76.0	°C	ISO 11357
Extrusion	**Nominal Value**	**Unit**	**Test Method**
Draw Down	480	m/min	Internal Method
Neck-in - 100 m/min	62.0	mm	Internal Method

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China