

EXACT 8210

Octene-1 Plastomer

DATA SHEET

Description

EXACT® 8210 is an ethylene based octene plastomer produced in a solution polymerisation process using a metallocene catalyst.

EXACT 8210 is designed for applications requiring high flexibility, outstanding toughness, excellent low temperature flex-cracking resistance and high clarity.

The polymer is particularly suitable for improving the impact resistance or flexibility of moulded polyolefins. Typical end uses include wire and cable applications and moulding applications.

Key performance attributes

- Free flowing pellets
- Flexibility
- Outstanding toughness and puncture resistance
- Low temperature flex-cracking and impact resistance
- High clarity
- High filler and oil acceptance
- Excellent polyolefin compatibility

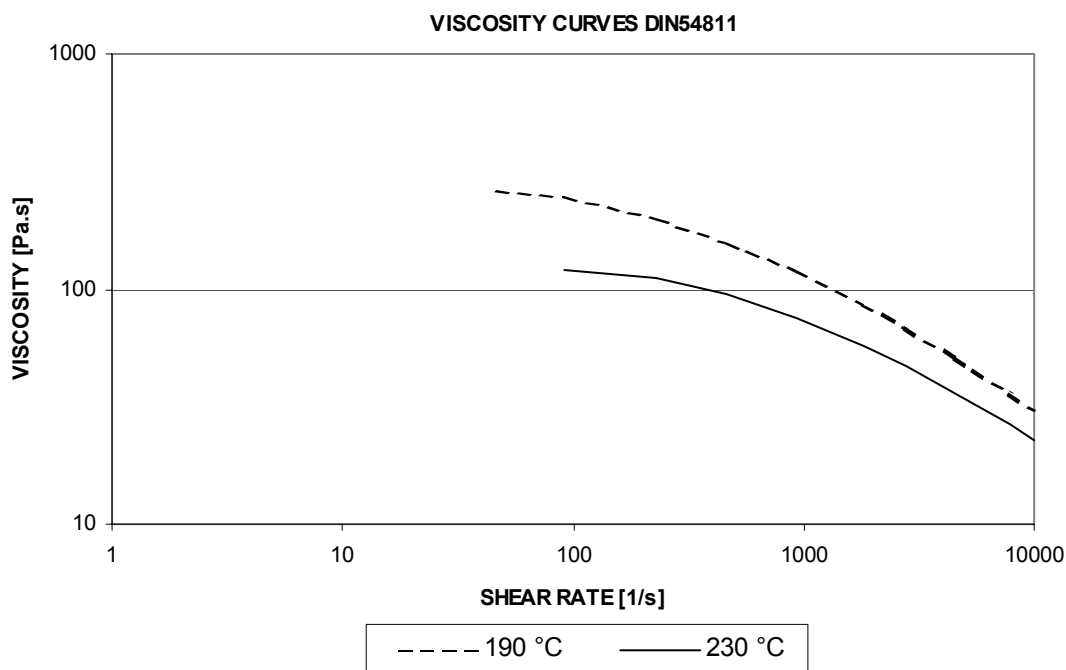
General properties	Units	Typical values [1]	Method
Melt Flow Rate (2.16 kg/190°C)	dg/min	10	ISO 1133
Density (23°C)	kg/m ³	882	ISO 1183
Shore A hardness	--	85	ISO 868
Shore D hardness	--	23	ISO 868
DSC peak melting point	°C	73	ASTM D3418
DSC heat of fusion	J/g	100	ASTM D3418
Vicat softening temp. (at 10 N)	°C	46	ISO 306
Brittleness temperature	°C	< -75	ASTM D746

Moulded plaque properties [2]			
Tensile strength at break	MPa	11	ISO 527-2
Elongation at break	%	1550	ISO 527-2
Flexural modulus	MPa	24	ISO 178
Notched Izod @ 23°C and @ -40 °C	J/m	No break	ASTM D256
Environmental stress crack resistance	hr	> 1000	ASTM D1693

Elastomeric properties			
Mooney Viscosity ML (1+4) @ 125°C	Torque units	3.8	ASTM D1646

[1] Values are typical and not to be interpreted as specifications.

[2] Specifics of compression moulded test specimen.



Additives

EXACT 8210 contains processing stabilizers.

Food Law Compliance and Product Handling

EXACT 8210 complies with FDA 21 CFR 177.1520 - "Olefin Polymers" - (C) 3.2c

Detailed and specific information on food law compliance and material safety aspects of EXACT grades will be provided upon request.

Packaging

EXACT 8210 is supplied as free flowing pellets with standard package type 25 kg bags on shrink wrapped pallets with a total weight of 1,375 kg.

Further information

DEX-PLASTOMERS V.O.F.
CBS-weg 2
P.O. Box 6500
6401 JH HEERLEN
The Netherlands

Tel. +31 45 5782401
Fax +31 45 5782405

March 2002