



HMC Polymers

A Most Admired Company

An associate of PTTGC & LyondellBasell

Clyrell RC213M

Polypropylene random copolymer resin for skin-layer of co-extrusion

Features

- Excellent optical properties
- Wide hot tack range
- Low sealing temperature

Typical applications

- Skin layer of co-extruded cast film

PP Resin Properties (a)

	Value	ASTM METHOD(b)
Melt flow rate (230°C / 2.16 kg), dg/min	10	D1238
Density, g/cm ³	0.90	D792B
Tensile strength at yield, MPa	30	D638
Elongation at yield, %	10	D638
Flexural modulus, MPa	1100	D790A
Notched izod impact strength at 23°C, J/m	31	D256A
Deflection temperature, at 455 kPa, °C	87	D648
Vicat softening point @10 N, °C	130	D1525

(a) Values shown are averages and are not to be considered as specifications.

(b) ASTM test methods are the latest under the Society's current procedures. All molded specimens are prepared by injection molding.

Note: Due to the fact that different regulations in each country set different details of compliance, users of *Clyrell* RC213M are recommended to undertake their own investigation of the requirements and comply with each regulation set forth, for instance, in applicable local F&DA requirements. Ultimately the users must make their own determination that their use of *Clyrell* RC213M is safe, lawful and technically suitable in their intended applications. Unless specifically indicated, the grades mentioned are not suitable for applications in the pharmaceutical/medical sector.

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- U.S. FDA Class I or II Medical Devices; Health Canada Class I, II or III Medical Devices; European Union Class I or II Medical Devices;
 - film, overwrap and/or product packaging that is considered a part or component of one of the aforementioned medical devices;
 - packaging in direct contact with a pharmaceutical active ingredient and/or dosage form that is intended for inhalation, injection, intravenous, nasal, ophthalmic (eye), digestive, or topical (skin) administration;
 - tobacco related products and applications, electronic cigarettes and similar devices.
 - safety components in automotive applications, for example: air bags, air bag unit housings and covers, seat belt mechanisms, brake systems, pedals and pedal supports, steering systems.
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- U.S. FDA Class III Medical Devices; Health Canada Class IV Medical Devices; European Class III Medical Devices;
 - applications involving permanent implantation into the body;
 - life-sustaining medical applications.

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HMC Polymers is certified according to ISO 9001 and 14001

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