






Product Data and Technical Information

Name	Clyrell
Grade	RC213M
Resin type	Polypropylene, Specialty Products
Description	<i>Clyrell</i> RC213M is a alpha olefin modified polypropylene random copolymer especially designed for cast film technology. It offers an excellent clarity and gloss, a very low haze, a wide hot tack range and a low seal-initiation temperature of 120°C. It is designed for quality packaging applications, either as monolayer film or as welding layer in coextruded structures and is in particular suitable for printing and metallisation purpose. <i>Clyrell</i> RC213M is easy processable on commercial cast film equipment and it contains antiblock additives. For regulatory information please refer to <i>Clyrell</i> RC213M Product Stewardship Bulletin (PSB).
Availability	Europe

Technical data

Haze	<1.0 % (50 µ)
Secant modulus MD	660 MPa (30 mm/min)
Tensile Strength @ Brk MD	35.0 MPa
Tensile Strength @ Yld MD	22.0 MPa
Elongation at break MD	750 %
Density	0.900 g/cm ³
Melt flow rate (MFR)	10 g/10 min (230°C/2.16Kg)
Tensile Modulus	1050 MPa (1 mm/min)
Tensile Stress at Yield	27.0 MPa (50 mm/min)
Tensile Strain at Break	600 % (50 mm/min)
Tensile Strain at Yield	10 % (50 mm/min)
Charpy notched impact strength	1.50 kJ/m ² (-30 °C)
Charpy notched impact strength	3.40 kJ/m ² (23 °C)
Heat deflection temperature B (0.45 MPa) Unannealed	65.0 °C
Coefficient of Friction	1.0
Vicat softening temperature	130 °C (A50 (50°C/h 10N))
Shore hardness	66 (Shore D)
Gloss	90 (50 µ)
Product Data Sheets	 ISO Data Sheet  ASTM Data Sheet
MSDS (Material Safety Data Sheet)	European  Clyrell RC213M

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