



## Clyrell EC2340

### Polypropylene, Impact Copolymer

#### Product Description

Clyrell EC2340 is a heterophasic copolymer specially designed for film applications. Clyrell EC2340 films are characterized by an excellent balance of toughness, low temperature impact, mechanical properties, very good optical properties, easy processing and low stress whitening.

Major Clyrell EC2340 applications are extrusion of films for food packaging, lamination, adhesive tapes, labeling films, thermoformed containers, stationery and protective films.

Clyrell EC2340 contains no slip or antiblocking agents.

Clyrell EC2340 may not need coextrusion with random copolymers to give a good clarity film.

For regulatory information please refer to Clyrell EC2340 Product Stewardship Bulletin (PSB).

#### Product Characteristics

<b>Status</b>	Commercial: Active
<b>Test Method used</b>	ISO
<b>Availability</b>	Europe
<b>Processing Methods</b>	Calendering, Cast Film, Extrusion Thermoforming, Injection Molding
<b>Features</b>	High Clarity, Impact Copolymer, High Flow , High Gloss , Good Processability
<b>Typical Customer Applications</b>	Bags & Pouches, Cast Film, Film, Food Packaging Film, Lamination Film

Typical Properties	Method	Value	Unit
<b>Physical</b>			
Density	ISO 1183	0.900	g/cm <sup>3</sup>
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	6.5	g/10 min
<b>Mechanical</b>			
Tensile Modulus (1 mm/min)	ISO 527-1, -2	1155	MPa
Tensile Stress at Yield (50 mm/min)	ISO 527-1, -2	26	MPa
Tensile Strain at Break (50 mm/min)	ISO 527-1, -2	550	%
Tensile Strain at Yield (50 mm/min)	ISO 527-1, -2	12	%
<b>Impact</b>			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		5.2	kJ/m <sup>2</sup>
(-20 °C, Type 1, Edgewise, Notch A)		2.0	kJ/m <sup>2</sup>
<b>Thermal</b>			
Heat deflection temperature B (0.45 MPa) Unannealed	ISO 75B-1, -2	79	°C
Vicat softening temperature (A50 (50°C/h 10N))	ISO 306	144	°C

#### Additional Properties

Typical Properties; not to be construed as specifications

#### Notes

Typical properties; not to be construed as specifications.