

Clyrell EC2340

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Clyrell EC2340 is an 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).

General Information			
Features	Good Processability		
	Good Toughness		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Opticals		
	Stress Whitening Resistant		
Uses	Bags		
	Cast Film		
	Containers		
	Film		
	Food Packaging		
	Laminates		
	Stationary Supplies		
	Thermoformed Containers		
Processing Method	Calendering		
	Cast Film		
	Extrusion		
	Injection Molding		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.5	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1160	MPa	ISO 527-2/1
Tensile Stress (Yield)	26.0	MPa	ISO 527-2/50

Tensile Strain			ISO 527-2/50
Yield	12	%	
Break	550	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
-20°C	2.0	kJ/m ²	
23°C	5.2	kJ/m ²	
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	79.0	°C	ISO 75-2/B
Vicat Softening Temperature	144	°C	ISO 306/A50

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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

