Clyrell EC2340

Polypropylene, Impact Copolymer

Product Description

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).

Product Characteristics

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

Typical Properties	Method	Value	Unit
Physical			
Density	ISO 1183	0.900	g/cm³
Melt flow rate (MFR) (230°C/2.16Kg)	ISO 1133	6.5	g/10 min
Mechanical			
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	%
Impact			
Charpy notched impact strength	ISO 179		
(23 °C, Type 1, Edgewise, Notch A)		5.2	kJ/m²
(-20 °C, Type 1, Edgewise, Notch A)		2.0	kJ/m²
Thermal			
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.