

PRODUCT INFORMATION

Clyrell EC340R

Exceptional fluidity along with rigidity and impact performance at low temperature



Utilizing its innovative process technology and catalysts, LyondellBasell has extended the properties of its *Clyrell* family of block copolymers with the introduction of *Clyrell* EC340R.

This new grade offers a unique combination of high fluidity, stiffness, low temperature impact resistance and aesthetics.

High eye appeal

LyondellBasell's new *Clyrell* EC340R is used by customers and end-users to create applications with high gloss and bright colours, without stress whitening of sharp angles or edges.

Typical customer applications include:

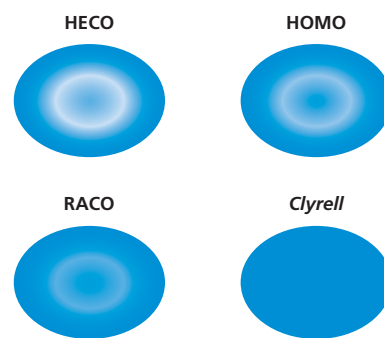
- Ice cream containers and lids
- Toys
- Pails and containers for food and non-food applications

| Typical Properties | Standard <i>Clyrell</i> | <i>Clyrell</i> EC340R |
|---|-------------------------|-----------------------|
| MFR (g/10min) | 15 | 25 |
| Rigidity | | |
| Tensile Modulus (MPa) | 1350 | 1200 |
| Impact | | |
| Charpy notched @ 0°C (kJ/m ²) | 2.3 | 3.1 |
| Charpy notched @ -20°C (kJ/m ²) | 1.4 | 2.0 |
| Ductile/Brittle Temperature (°C) | -32 | -48 |
| Optical | | |
| Haze on 1 mm plaque (%) | 30 | 32 |
| Mechanical | | |
| Top load (N) | 157 | 157 |
| CIT @ -20°C (J) | 4.0 | 15.5 |

The above-mentioned typical properties do not constitute product specifications and are not intended for description purposes.

You can find out more about us by visiting our website at: www.lyondellbasell.com

Stress whitening behavior after impact



Ultra high flowability and high rigidity

In addition to aesthetics, *Clyrell* EC340R also exhibits improved flowability and meets food contact requirements. Thanks to its high rigidity combined with high flowability, the thickness of finished parts can be decreased, which can lead to substantial cost savings. Wall rigidity of thinner parts can produce applications which can be microwave reheated.

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