

## Moplen EP140R

Polypropylene, Advanced HECO PP copolymer for compounding



The requirements of material designers, within the automotive and various industrial segments, are more and more challenging in terms of combination of high impact resistance and high melt flow rate performance for the production of sophisticated structural parts.

That's why LyondellBasell has developed and launched *Moplen EP140R*, a polypropylene grade that combines a high fluidity (ca. 22 MFR), with exceptional impact profile, even at low temperature.

*Moplen EP140R* is a copolymer, characterized by good stiffness and an outstanding impact resistance, even at high MFR.

This combination of properties can be used for advanced sustainable solutions containing recycled components.

### Product Benefits

- Good flowability
- Outstanding impact resistance
- Good stiffness
- Heat and chemical resistance

### Typical Applications

- Building block for compounds for interior and exterior automotive parts

### Resin properties

Physical properties	Method	U.o.m.	<i>Moplen EP140R</i>
Melt Flow Rate (230 °C/2.16 kg)	ISO 1113	g/10 min	22
Density	ISO 1183	g/cm <sup>3</sup>	0.90
Mechanical			
Tensile Modulus	ISO 527-1, -2	MPa	750
Max Stress at Yield, 23°C	ISO 527	MPa	14
Elongation at Yield, 23°C	ISO 527	%	6
Strain at break, 23°C	ISO 527	MPa	12
Elongation at break	ISO 527	%	30
Impact Properties			
Charpy @ 23 °C	ISO 179	KJ/m <sup>2</sup>	60
Charpy @ 0°C	ISO 179	KJ/m <sup>2</sup>	14
Charpy @ -20 °C	ISO 179	KJ/m <sup>2</sup>	10
Charpy @ -30 °C	ISO 179	KJ/m <sup>2</sup>	7

# ABOUT US

As a leader in the global chemical industry, LyondellBasell strives every day to be the safest, best operated and most valued company in our industry. The company's products, materials and technologies are advancing sustainable solutions for food safety, access to clean water, healthcare and fuel efficiency in more than 100 international markets. LyondellBasell places high priority on diversity, equity and inclusion and is *Advancing Good* with an emphasis on our planet, the communities where we operate and our future workforce. The company takes great pride in its world-class technology and customer focus. LyondellBasell has stepped up its circularity and climate ambitions and actions to address the global challenges of plastic waste and decarbonization. For more information, please visit [www.lyondellbasell.com](http://www.lyondellbasell.com) or follow [@LyondellBasell](https://www.linkedin.com/company/lyondellbasell) on LinkedIn.

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