

# EP440R

## Heterophasic copolymer

**Description:**

EP440R is a nucleated heterophasic copolymer, suitable for injection molding applications. It exhibits excellent stiffness/impact balance combined with a medium high fluidity. EP440R is applied in toys, furniture and thin-walled injection mold items. EP440R is suitable for food contact.

**Typical Applications**

- Crates
- Housewares and furniture
- Sports, Leisure and Toys
- TWIM Food Containers

**Features:** Good flow, Controlled rheology, Good impact resistance, Good stiffness, Nucleated

**Suitable for:** Injection molding

### Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	20	g/10 min	ISO 1133
Density	0.905	g/cm <sup>3</sup>	ISO 1183
Tensile Modulus	1150	MPa	ISO 527-1, -2
Tensile strength at Yield	27	MPa	ISO 527-1, -2
Tensile Elongation at Break	>50	%	ISO 527-1, -2
Tensile elongation at Yield	5	%	ISO 527-1, -2
Charpy impact strength (notched)			ISO 179
23 °C	8.0	kJ/m <sup>2</sup>	
0 °C	5.0	kJ/m <sup>2</sup>	
-30 °C	4.0	kJ/m <sup>2</sup>	

\* Typical values; not to be considered as product specification.