

EP400G

Heterophasic copolymer

Description:

EP400G is a heterophasic polypropylene copolymer designed for extrusion applications where smooth processability and a good balance of mechanical properties are required. EP400G offers excellent processability and the final items show good stiffness and outstanding impact resistance, even at temperatures down to -20 °C. The major applications of EP400G are the production of corrugated board and the extrusion of sheet for thermoforming. Other applications include blow molded bottles and containers for detergents and foodstuffs as well as technical parts for the automotive and appliance industries. EP400G is suitable for food contact.

Typical Applications

- Corrugated board
- Sheet for thermoforming
- Blow molded bottles and containers for detergents and foodstuffs
- Technical parts for the automotive and appliance industries

Features: Good stiffness, Excellent processability, Very high impact strength

Suitable for: Extrusion, Blow molding

Product Specification

PHYSICAL/MECHANICAL PROPERTIES	VALUE*	UNIT	TEST METHOD
Melt Flow Rate (230 °C, 2.16 kg)	1.3	g/10 min	ASTM D1238
Density	0.9	g/cm ³	ASTM D1505
Flexural Modulus	1150	MPa	ASTM D790
Tensile Strength at Yield	27	MPa	ASTM D638
Tensile Elongation at Yield	13	%	ASTM D638
Izod Impact Strength (notched) at 23 °C	650	J/m	ASTM D256
Izod Impact Strength (notched) at 0 °C	130	J/m	ASTM D256
Izod Impact Strength (notched) at -20 °C	60	J/m	ASTM D256
Rockwell Hardness	82	R Scale	ASTM D785
Vicat softening point (10 N)	150	°C	ASTM D1525
H.D.T. (0.46 MPa)	85	°C	ASTM D648
Accelerated oven ageing in air at 150 °C	360	h	ASTM D3012

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