

Technical Data Sheet

PP EP440G

Polypropylene Copolymer

EP440G is a nucleated heterophasic copolymer especially developed for extrusion applications. In comparison with standard polypropylene copolymers with the same fluidity, EP440G exhibits higher stiffness, superior impact properties at room and sub-zero temperatures, very high dimensional stability and excellent creep and deforming resistance. The main applications of EP440G are thermoforming, corrugated board and extrusion blow molding.

Applications

- Corrugated board, panels, profiles and crates
- Corrugated pipes for automotive and machine construction
- Conduit pipes and fittings for electrical distribution and cable protection
- Blow molded bottles and containers
- Pipe fittings

Typical Properties	Value	Unit	Test Method
Physical			
Melt Flow Rate(230°C,2.16 Kg)	1.3	g/10 min	ASTM D 1238
Density	0.9	g/cm3	ASTM D 1505
Mechanical			
Flexura Modulus	1300	Mpa	ASTM D 790
Tensile Strength at yield	25	Mpa	ASTM D 638
Tensile Elongation at yield	6	%	ASTM D 638
Izod Impact Strength(notched) at 23 °C	500	J/M	ASTM D 256
Izod Impact Strength(notched) at -20°C	70	J/M	ASTM D 256
Thermal			
Vicat Softening Point (10N)	150	°C	ASTM D 1525
H.D.T (0.46 Mpa)	92	°C	ASTM D 648
Accelerated oven ageing in air at 150°C	360	hours	ASTM D 3012