

KGT 361 is a high density polyethylene with broad molecular weight distribution, specially developed for small blow molded bottles. It has been manufactured under Basell license.

Applications

- Multipurpose blow molding process
- Small blow molded bottles
- Packaging of consumer and dangerous goods

Additives

- Antioxidant: Yes
- Anti-block: No
- Slip Agent: No
- Processing Aid: No

Resin properties	Typical Value	Unit	Test Method
Physical			
High Load Melt Flow Index (190 °C/ 2.16 kg)	22	g/10 min	ISO 1133
Melt Flow Rate (190°C/2.16Kg)	0.3	g/10 min	ISO 1133
Density	0.950	g/cm ³	ISO 1183
Bulk Density	> 0.50	g/cm ³	ISO 60
Mechanical			
Tensile Modulus of Elasticity	1000	MPa	ISO 527-1,2
Tensile Stress at Yield	25	MPa	ISO 527-1,2
Tensile Strain at Yield	9	%	ISO 527-1,2
Tensile Impact Strength (Notched, Type 1, Method 1B, -30°C)	110	kJ/m ²	ISO 527-1,2
Ball Indentation Hardness (H 132/30)	45	MPa	ISO 8256
ESCR	150	hr	Basell
FNCT (3.5 MPa, 2% Arkopal N100, 80°C)	6	hr	ISO 16770
Thermal			
Deflection Temperature Under Load (0.45 MPa)	75	°C	ISO 75
Deflection Temperature Under Load (1.8 MPa)	43	°C	ISO 75
Melting Temperature	131	°C	ISO 3146
Vicat Softening Temperature (Method B/ 50N)	78	°C	ISO 306