

KGT 541 is especially developed for applications requiring a good balance between flow properties and mechanical properties.

#### Applications

- Toys
- Houseware
- Snap-on lids

Resin properties	Typical Value	Unit	Test Method
<b>Physical</b>			
Melt Flow Rate (190 °C/ 2.16 kg)	22	dg/min	ISO 1133
Melt Flow Rate (190 OC and 5 kg)	75	dg/min	ISO 1133
Density	919	kg/cm <sup>3</sup>	ISO 1183 A
<b>Mechanical</b>			
Tensile Modulus	175	MPa	ISO R527-1
Tensile Stress at Yield	8	MPa	ISO R527-1
Tensile Stress at Break	7	MPa	ISO R527-1
Elongation@ break	400	%	-----
Creep Modulus after 1h	80	MPa	-----
Hardness shore D	45	-----	-----
ESCR	3	h	-----
Ball indentation hardness	16	MPa	-----
Izod Impact Notched	42	kJ/m <sup>2</sup>	ASTM D 627
<b>Thermal</b>			
Vicat Softening Temperature (10N)	82	°C	ASTM D 1525
H.D.T. (0.46 Mpa)	39	°C	ASTM D 648
Melting Temperature	105	°C	-----