

## ABS® GP 35

**ABS GP 35** is high-flow, general purpose injection molding grade with good ductility, intended for moldings with thin walls and/or adverse flow length to wall ratio

**Applications:** Toys, electroplating, automotive components

Properties	Test method	Unit	Value
Density	ISO 1183	Kg/m <sup>3</sup>	1040
Surface Resistivity	IEC 60093	Ohm	>1 E 13
Flexural Strength 23 °C	ISO 178	MPa	65
Izod Notched Impact Strength 23 °C	ISO 180/A	KJ/m <sup>2</sup>	22
Izod Notched Impact Strength -30 °C	ISO 180/A	KJ/m <sup>2</sup>	7
Charpy Notched Impact Strength 23 °C	ISO 179	KJ/m <sup>2</sup>	19
Charpy Notched Impact Strength -30 °C	ISO 179	KJ/m <sup>2</sup>	7
Charpy Unnotched 23 °C	ISO 179	KJ/m <sup>3</sup>	125
Charpy Unnotched, -30 °C	ISO 179	KJ/m <sup>2</sup>	90
Melt Flow Rate (220 °C, 10Kg)	ISO 1133	cm <sup>3</sup> /10min	34
Tensile Stress at Yield, 23 °C	ISO 527	MPa	44
Tensile Strain at Yield, 23 °C	ISO 527	%	2,4
Tensile Strain at Break, 23 °C	ISO 527	%	>15
Tensile Modulus	ISO 527	MPa	2300
Norminal Strain at Break, 23 °C	ISO 527	%	12
Flexural Strength, 23 °C	ISO 178	MPa	65
Hardness, Ball Indentation	ISO 2039-1	MPa	99
Vicat Softening Temperature, VST/B/50 (50N, 50 °C/h)	ISO 306	°C	95
Vicat Softening Temperature, VST/A/50 (10 N, 50 °C/h)	ISO 306	°C	102
Heat Deflection Temperature A; (annealed 4h/80 °C; 1,8 MPa)	ISO 75	°C	92
Heat Deflection Temperature B; (annealed 4h/80 °C; 0,45 MPa)	ISO 75	°C	95