

ABS® GP 22

ABS GP 22 is medium-flow, general purpose injection molding grade with. Excellent colorability, good impact resistance, good heat distortion resistance and high quality surface finish and gloss

Applications: Injection molding, appliance housings, household and sanitary appliances, toys and automotive components

Properties	Test method	Unit	Value
Density	ISO 1183	Kg/m ³	1040
Linear Mold Shrinkage	ISO 294-4	mm/mm	0,4 - 0,7
Melt Flow Rate, 220 °C/10 Kg	ISO 1133	cm ³ /10min	20
Impact Strength, Notched Izod, 4mm bar, 0,25mm Notch Radius, 23 °C	ISO 180	J/m	25
Impact Strength, Notched Izod, 4mm bar, 0,25mm Notch Radius, -30 °C	ISO 180	J/m	8
Charpy Notched 23 °C	ISO 179	KJ/m ²	22
Charpy Notched -30 °C	ISO 179	KJ/m ²	8
Charpy Unnotched 23 °C	ISO 179	KJ/m ²	170
Charpy Unnotched -30 °C	ISO 179	KJ/m ²	125
Tensile Stress at Yield, 23 °C	ISO 527	MPa	45
Tensile Strain at Yield, 23 °C	ISO 527	%	2,6
Tensile Modulus	ISO 527	MPa	2300
Elongation at Break (MD)	-	%	10
Flexural Strength	ISO 178	MPa	65
Ball Indentation Hardness H	ISO 2039-1	MPa	97
Vicat Softening Temperature, A/2 (50 °C/h, 50 N)	ISO 306	°C	105
Vicat Softening Temperature, B/2 (120 °C/h, 50 N)	ISO 306	°C	96
Heat Deflection Temperature; (anneald) method Af, 1.8 MPa	ISO 75	°C	80
Heat Deflection Temperature; (anneald) method Bf, 0,45 MPa	ISO 75	°C	92