

BM530

ABS

Shanghai Kumho Sunny Plastics Co., Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ISO Data			
Molding shrinkage, parallel	0.6	%	ISO 294-4, 2577

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	44	MPa	ISO 527
Flexural modulus, 23°C	2200	MPa	ISO 178
Flexural strength	64	MPa	ISO 178
Charpy notched impact strength, +23°C	18	kJ/m ²	ISO 179/1eA
Rockwell hardness	R 102	-	ISO 2039-2

Thermal properties	Value	Unit	Test Standard
ISO Data			
Vicat softening temperature, B	101	°C	ISO 306

Other properties	Value	Unit	Test Standard
Density	1040	kg/m ³	ISO 1183

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 95	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.05	%	-
Melt temperature	200 - 230	°C	-
Mold temperature	30 - 50	°C	-
Zone 1	180 - 200	°C	-
Zone 2	180 - 210	°C	-
Zone 3	190 - 230	°C	-
Nozzle temperature	180 - 220	°C	-

Characteristics**Processing**

Injection Molding, Blow Molding

Applications

Automotive

Special Characteristics

Heat stabilized or stable to heat

Regional Availability

Asia Pacific