

ABS MP220

ABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	18	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.0055	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	44.1	MPa	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	2354	MPa	ASTM D 790
Flexural Strength	74.6	MPa	ASTM D 790
Rockwell Hardness	R 105	-	ASTM D 785
Izod Impact notched, 1/8 in	330	J/m	ASTM D 256
Izod Impact notched, 1/4 in	292	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	151	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
DTUL @ 66 psi	95	°C	ASTM D 648
DTUL @ 264 psi	89	°C	ASTM D 648
Vicat Temperature	97	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1050	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	70 - 80	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.01	%	-
Melt temperature	210 - 230	°C	-
Mold temperature	40 - 60	°C	-
Zone 1	190 - 210	°C	-
Zone 2	200 - 220	°C	-
Zone 3	210 - 230	°C	-
Nozzle temperature	210 - 230	°C	-
Screw speed	<80	rpm	-
Back pressure	70 - 90	MPa	-

Characteristics**Processing**

Injection Molding

Special Characteristics

Platable

Features

Good Adhesion

Applications

Automotive

Regional Availability

North America, Europe, Asia Pacific, South and Central America