

MABS XG568

MABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	19.5	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	53	MPa	ASTM D 638
Elongation at Yield	6	%	ASTM D 638
Elongation at Break	20	%	ASTM D 638
Flexural Modulus	2747	MPa	ASTM D 790
Flexural Strength	85.4	MPa	ASTM D 790
Rockwell Hardness	R 114	-	ASTM D 785
Izod Impact notched, 1/8 in	88.3	J/m	ASTM D 256
Izod Impact notched, 1/4 in	88.3	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	39.2	J/m	ASTM D 256
Temperature	-30	°C	-

Thermal properties	Value	Unit	Test Standard
ASTM Data			
UL 94 Flame rating	HB	-	UL 94
Thickness tested	1.6	mm	-
DTUL @ 66 psi	86	°C	ASTM D 648
DTUL @ 264 psi	82	°C	ASTM D 648

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	2	%	ASTM D 1003
Light Transmittance	90	%	ASTM D 1003

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1110	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.01	%	-
Melt temperature	200 - 230	°C	-
Mold temperature	40 - 60	°C	-
Zone 1	180 - 200	°C	-
Zone 2	190 - 210	°C	-
Zone 3	200 - 220	°C	-
Nozzle temperature	200 - 230	°C	-
Screw speed	30 - 60	rpm	-
Back pressure	30 - 60	MPa	-

Characteristics**Processing**

Injection Molding

Applications

IT / Business Machine

Special Characteristics

Transparent

Regional Availability

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

Features

High Gloss, Scratch Resistant