

MABS TR558A

MABS

LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	25	g/10min	ASTM D 1238
Temperature	220	°C	-
Load	10	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	49.5	MPa	ASTM D 638
Elongation at Break	34	%	ASTM D 638
Flexural Modulus	2433	MPa	ASTM D 790
Flexural Strength	80.4	MPa	ASTM D 790
Rockwell Hardness	R 113	-	ASTM D 785
Izod Impact notched, 1/8 in	118	J/m	ASTM D 256
Izod Impact notched, 1/4 in	128	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	84	°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
Density	1090	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	2 - 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

Special Characteristics

Transparent

Applications

Electrical and Electronical, General Purpose

Regional Availability

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