MABS TR557

MABS — LG Chem

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**23**	g/10min	ASTM D 1238
Temperature	**220**	°C	-
Load	**10**	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	**45.1**	MPa	ASTM D 638
Elongation at Break	**30**	%	ASTM D 638
Flexural Modulus	**2217**	MPa	ASTM D 790
Flexural Strength	**72.3**	MPa	ASTM D 790
Rockwell Hardness	**R 109**	-	ASTM D 785
Izod Impact notched, 1/8 in	**157**	J/m	ASTM D 256
Izod Impact notched, 1/4 in	**167**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 264 psi	**81**	°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/m³	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	**190 - 220**	°C	-
Mold temperature	**40 - 60**	°C	-
Zone 1	**180 - 200**	°C	-
Zone 2	**190 - 210**	°C	-
Zone 3	**200 - 220**	°C	-
Nozzle temperature	**220 - 250**	°C	-
Screw speed	**30 - 60**	rpm	-
Back pressure	**30 - 60**	MPa	-

Characteristics

Processing
Injection Molding

Special Characteristics
Transparent

Applications
Electrical and Electronical

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