

MH2

PC

Lotte Chemical Corporation

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	15	g/10min	ASTM D 1238
Temperature	300	°C	-
Load	1.2	kg	-
Mold Shrinkage, MD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Yield	61.8	MPa	ASTM D 638
Elongation at Break	100	%	ASTM D 638
Flexural Modulus	2354	MPa	ASTM D 790
Izod Impact notched, 1/8 in	736	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	141	°C	ASTM D 648
DTUL @ 264 psi	130	°C	ASTM D 648
Vicat Temperature	150	°C	ASTM D 1525

Optical properties	Value	Unit	Test Standard
ASTM Data			
Haze	0.8	%	ASTM D 1003
Light Transmittance	89	%	ASTM D 1003
Index of Refraction	1.58	-	ASTM D 542

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	120	°C	-
Pre-drying - Time	4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	290 - 310	°C	-
Mold temperature	60 - 90	°C	-
Feed temperature	60 - 80	°C	-
Zone 1	270 - 290	°C	-
Zone 2	280 - 300	°C	-
Zone 3	290 - 310	°C	-
Nozzle temperature	280 - 300	°C	-

Characteristics**Processing**

Injection Molding

Applications

Medical

Special Characteristics

Sterilizable, Ethylene Oxide (EtO) Sterilization, Steam sterilization

Regional Availability

North America, Europe, Asia Pacific

Certifications

Food contact, Food approval FDA 21 CFR, Medical Grade, US Pharmacopeia Class VI Approved