

AX-01YW.(MH-3121)

PMMA

Next Polymers Ltd.

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	4	g/10min	ASTM D 1238
Temperature	230	°C	-
Load	3.8	kg	-
Mold Shrinkage, MD	0.003	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.003	mm/mm	ASTM D 955
Mechanical properties			
ASTM Data	Value	Unit	Test Standard
Tensile Modulus	3400	MPa	ASTM D 638
Tensile Strength	70	MPa	ASTM D 638
Elongation at Break	10	%	ASTM D 638
Flexural Modulus	3200	MPa	ASTM D 790
Flexural Strength	120	MPa	ASTM D 790
Rockwell Hardness	M 100	-	ASTM D 785
Izod Impact notched, 1/8 in	24.5	J/m	ASTM D 256
Thermal properties			
ASTM Data	Value	Unit	Test Standard
Coefficient of Thermal Expansion, MD	70	E-6/K	ASTM D 696
DTUL @ 264 psi	102	°C	ASTM D 648
Vicat Temperature	109	°C	ASTM D 1525
Optical properties			
ASTM Data	Value	Unit	Test Standard
Light Transmittance	91	%	ASTM D 1003
Index of Refraction	1.49	-	ASTM D 542
Other properties			
Value	Unit	Test Standard	
Water Absorption, 24hr	0.3	%	ASTM D 570
Density	1180	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Applications

Automotive

Special Characteristics

Heat stabilized or stable to heat, Transparent

Regional Availability

Asia Pacific