PROTEQ™ C23UST4Z

PP-MX

IXOM Operations Pty Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**23**	g/10min	ASTM D 1238
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Mold Shrinkage, MD	**0.006**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Shore D hardness	**59**	-	ISO 7619-1
ASTM Data			
Tensile Strength	**17**	MPa	ASTM D 638
Elongation at Break	**150**	%	ASTM D 638
Flexural Modulus	**1700**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**575**	J/m	ASTM D 256
Izod Impact notched, Low-Temperature	**275**	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	-
Coefficient of Thermal Expansion, MD	**52**	E-6/K	ASTM D 696
DTUL @ 66 psi	**126**	°C	ASTM D 648
DTUL @ 264 psi	**57**	°C	ASTM D 648
Vicat Temperature	**131**	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	**1030**	kg/m³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	**85 - 90**	°C	-
Pre-drying - Time	**2 - 4**	h	-
Melt temperature	**230 - 260**	°C	-
Mold temperature	**40 - 80**	°C	-
Zone 1	**210 - 230**	°C	-
Zone 2	**220 - 240**	°C	-
Zone 3	**230 - 250**	°C	-
Screw speed	**40 - 60**	rpm	-
Injection pressure	**60 - 140**	MPa	-
Back pressure	**0.1 - 0.5**	MPa	-

Characteristics

Processing
Injection Molding

Features
High Crystallinity, Copolymer

Delivery form
Pellets

Applications
Automotive

Special Characteristics
High impact or impact modified, U.V. stabilized or stable to weather, Heat stabilized or stable to heat

Regional Availability
Asia Pacific