PROTEQ™ C16ST8

PP-T40 IXOM Operations Pty Ltd

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**15**	g/10min	ASTM D 1238
Temperature	**230**	°C	-
Load	**2.16**	kg	-
Mold Shrinkage, MD	**0.009**	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Shore D hardness	**67**	-	ISO 7619-1
ASTM Data			
Tensile Strength	**29**	MPa	ASTM D 638
Elongation at Break	**25**	%	ASTM D 638
Flexural Modulus	**2900**	MPa	ASTM D 790
Flexural Strength	**38**	MPa	ASTM D 790
Izod Impact notched, 1/8 in	**50**	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	**350**	J/m	ASTM D 256

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	**70**	E-6/K	ASTM D 696
DTUL @ 66 psi	**132**	°C	ASTM D 648
DTUL @ 264 psi	**70**	°C	ASTM D 648

Other properties	Value	Unit	Test Standard
Density	**1240**	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	**220 - 270**	°C	-
Mold temperature	**50 - 80**	°C	-
Zone 1	**195 - 215**	°C	-
Zone 2	**205 - 225**	°C	-
Zone 3	**215 - 235**	°C	-
Screw speed	**40 - 60**	rpm	-
Injection pressure	**60 - 140**	MPa	-
Back pressure	**0.1 - 0.5**	MPa	-

Characteristics

Processing
Injection Molding

Features
Copolymer

Delivery form
Pellets

Applications
Automotive

Special Characteristics
Heat stabilized or stable to heat

Regional Availability
Asia Pacific