Ryton® QC160P

PPS — Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	**45**	g/10min	ASTM D 1238
Temperature	**316**	°C	-
Load	**5**	kg	-

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Modulus	**3400**	MPa	ISO 527
Tensile Strength	**75**	MPa	ISO 527
Strain at break	**6**	%	ISO 527
Flexural modulus, 23°C	**3400**	MPa	ISO 178
Izod notched impact strength, +23°C	**4**	kJ/m²	ISO 180/1A
ASTM Data			
Izod Impact notched, 1/8 in	**53**	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Melting temperature, 10°C/min	**280**	°C	ISO 11357-1/-3
Glass transition temperature, 10°C/min	**90**	°C	ISO 11357-1/-2
Burning behav. at 1.5 mm nom. thickn.	**V-0**	class	IEC 60695-11-10
Thickness tested	**1.6**	mm	-
ASTM Data			
DTUL @ 66 psi	**160**	°C	ASTM D 648
DTUL @ 264 psi	**95**	°C	ASTM D 648
Limiting Oxygen Index	**44**	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	**24**	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	**0.002**	-	ASTM D 150
Dielectric Constant, 1 MHz	**3.2**	-	ASTM D 150
Surface Resistivity	**>1E15**	Ohm	ASTM D 257
Volume Resistivity	**>1E15**	Ohm*cm	ASTM D 257

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	**0.05**	%	ASTM D 570
Density	**1340**	kg/m³	ASTM D 792

Characteristics

Processing
Other Extrusion

Delivery form
Pellets

Features
Thermal Stability

Chemical Resistance
General Chemical Resistance

Regional Availability
North America, Europe, Asia Pacific, South and Central America, Near East/Africa