

Ryton® R-7-232BL

PPS-(GF+MX)

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.0018	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.0059	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Modulus	22900	MPa	ISO 527
Tensile Strength	139	MPa	ISO 527
Strain at break	0.8	%	ISO 527
Flexural modulus, 23°C	21100	MPa	ISO 178
Izod impact strength, +23°C	21	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	6.3	kJ/m ²	ISO 180/1A
ASTM Data			
Compressive Strength	265	MPa	ASTM D 695
Flexural Strength	236	MPa	ASTM D 790
Rockwell Hardness	M 101	-	ASTM D 785
Izod Impact notched, 1/8 in	59	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	290	J/m	ASTM D 256
Thermal properties			
ISO Data			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
Burning behav. 5V at thickness h	5VA	class	IEC 60695-11-20
ASTM Data			
DTUL @ 264 psi	265	°C	ASTM D 648
Melting Temperature	285	°C	ASTM D 3418
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	12	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.002	-	ASTM D 150
Dielectric Constant, 1 MHz	4.47	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	192	s	ASTM D 495
Other properties			
Water Absorption, 24hr	0.003	%	ASTM D 570
Density	1980	kg/m ³	ASTM D 792

Characteristics**Processing**

Injection Molding

Delivery form

Pellets

Certifications

Food contact, Food approval 10/2011, Food approval FDA 21 CFR

Regional Availability

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