

Ryton® XE5030BL

PPS-GF30

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.006	mm/mm	ASTM D 955

Mechanical properties	Value	Unit	Test Standard
ISO Data			
Tensile Strength	135	MPa	ISO 527
Strain at break	2	%	ISO 527
Flexural modulus, 23°C	9000	MPa	ISO 178
Izod impact strength, +23°C	45	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	9.5	kJ/m ²	ISO 180/1A
ASTM Data			
Tensile Strength	131	MPa	ASTM D 638
Elongation at Break	2	%	ASTM D 638
Compressive Strength	210	MPa	ASTM D 695
Flexural Modulus	8960	MPa	ASTM D 790
Flexural Strength	193	MPa	ASTM D 790
Rockwell Hardness	M 86	-	ASTM D 785
Izod Impact notched, 1/8 in	96	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	690	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn. Thickness tested	V-0 1.6	class mm	IEC 60695-11-10 -
ASTM Data			
DTUL @ 264 psi	250	°C	ASTM D 648
Limiting Oxygen Index	34	%	ASTM D 2863

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Dielectric Strength, Short Time	22	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.009	-	ASTM D 150
Dielectric Constant, 1 MHz	3.7	-	ASTM D 150
Surface Resistivity	>1E15	Ohm	ASTM D 257
Volume Resistivity	1E15	Ohm*cm	ASTM D 257
Arc Resistance	124	s	ASTM D 495

Other properties	Value	Unit	Test Standard
Water Absorption, 24hr	0.05	%	ASTM D 570
Density	1510	kg/m ³	ASTM D 792

Characteristics**Delivery form**

Pellets

Special Characteristics

High impact or impact modified

Features

Ductile, Thermal Stability

Regional Availability

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