

Ryton® R-4-270NA

PPS-GF40

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.005	mm/mm	ASTM D 955
Mechanical properties			
ISO Data			
Tensile Strength	190	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus, 23°C	13000	MPa	ISO 178
Izod impact strength, +23°C	45	kJ/m ²	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m ²	ISO 180/1A
ASTM Data			
Compressive Strength	285	MPa	ASTM D 695
Thermal properties			
ISO Data			
Coeff. of linear therm. expansion, parallel	15	E-6/K	ISO 11359-1/-2
Coeff. of linear therm. expansion, normal	45	E-6/K	ISO 11359-1/-2
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.6	mm	-
ASTM Data			
DTUL @ 264 psi	265	°C	ASTM D 648
Electrical properties			
ASTM Data			
Dielectric Strength, Short Time	20	kV/mm	ASTM D 149
Dissipation Factor, 1 MHz	0.002	-	ASTM D 150
Dielectric Constant, 1 MHz	4	-	ASTM D 150
Volume Resistivity	>1E15	Ohm*cm	ASTM D 257
Arc Resistance	125	s	ASTM D 495
Other properties			
Density	1670	kg/m ³	ISO 1183
Water Absorption, 24hr	0.02	%	ASTM D 570

Characteristics**Delivery form**

Pellets

Chemical Resistance

General Chemical Resistance

Regional Availability

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