

**Ryton® R-4-242NA**

PPS-GF40

Syensqo

Processing/Physical Characteristics	Value	Unit	Test Standard
<b>ASTM Data</b>			
Mold Shrinkage, MD	0.002	mm/mm	ASTM D 955
Mold Shrinkage, TD	0.005	mm/mm	ASTM D 955
<b>Mechanical properties</b>			
<b>ISO Data</b>			
Tensile Modulus	15800	MPa	ISO 527
Tensile Strength	193	MPa	ISO 527
Strain at break	1.8	%	ISO 527
Flexural modulus, 23°C	14500	MPa	ISO 178
Izod impact strength, +23°C	45	kJ/m <sup>2</sup>	ISO 180/1U
Izod notched impact strength, +23°C	9	kJ/m <sup>2</sup>	ISO 180/1A
<b>ASTM Data</b>			
Compressive Strength	270	MPa	ASTM D 695
Rockwell Hardness	M 100	-	ASTM D 785
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256
Izod Impact unnotched, 1/8 in	640	J/m	ASTM D 256
<b>Thermal properties</b>			
<b>ISO Data</b>			
Burning behav. at thickness h	V-0	class	IEC 60695-11-10
<b>ASTM Data</b>			
DTUL @ 264 psi	265	°C	ASTM D 648
Melting Temperature	285	°C	ASTM D 3418
<b>Other properties</b>			
<b>Value</b>			
Water Absorption, 24hr	0.02	%	ASTM D 570
Density	1680	kg/m <sup>3</sup>	ASTM D 792

**Characteristics****Processing**

Injection Molding

**Delivery form**

Pellets

**Certifications**

Food contact, Food approval 10/2011, Food approval FDA 21 CFR, Drinking water contact, Drinking water contact KTW, Drinking water contact NSF 61

**Regional Availability**

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