

CAMPUS® foglio dati

NORYL™ Resin RN0612 - (PPE+PS)
SABIC



Testo del prodotto

NORYL RN0612 is an unfilled Post Consumer recycle (PCR) based injection moldable modified polyphenylene ether resin comprising at least 30% PCR styrenic series resin content. Designed for good dimensional stability and high flow, this resin also uses non-chlorinated, non-brominated FR additives with a specific density of 1.1 g/cm³. NORYL RN0612 may be an excellent material candidate for flat panel TV enclosure applications requiring good rheological properties, heat resistance, hydrolysis resistance and low density.

UL Yellow Card Link [E45329-101621023](https://www.ulprospector.com/usa/Products/Plastics/Resins/101621023)

Proprietà Reologiche	Valore	Unità	Norma del test
Indice di fusione di volume, MVR	34	cm ³ /10min	ISO 1133
Temperatura	280	°C	ISO 1133
Carico	2.16	kg	ISO 1133
Proprietà Meccaniche	Valore	Unità	Norma del test
Modulo a trazione	2100	MPa	ISO 527-1/-2
Carico unitario a rottura	42	MPa	ISO 527-1/-2
Deformazione a rottura	17	%	ISO 527-1/-2
Resist. urto Charpy con intaglio, +23°C	4	kJ/m ²	ISO 179/1eA
Resist. urto Charpy con intaglio, -30°C	3	kJ/m ²	ISO 179/1eA
Proprietà Termiche	Valore	Unità	Norma del test
Temp.di inflessione sotto carico, 1.80 MPa	74	°C	ISO 75-1/-2
Temp.di rammollimento Vicat, 50°C/h 50N	95	°C	ISO 306
Reaz. al fuoco spess.nom. 1.5mm	V-1	class	IEC 60695-11-10
Spessore provato	1.5	mm	IEC 60695-11-10
Reazione al fuoco a spessore h	V-0	class	IEC 60695-11-10
Spessore provato	3.0	mm	IEC 60695-11-10
Proprietà Elettriche	Valore	Unità	Norma del test
Costante dielettrica relativa, 1MHz	2.8	-	IEC 62631-2-1
Fattore di dissipazione, 1MHz	35	E-4	IEC 62631-2-1
Resistività volumica	1E11	Ohm*m	IEC 62631-3-1
Resistività superficiale	>1E15	Ohm	IEC 62631-3-2
Res. Alle correnti striscianti superficiali	250	-	IEC 60112
Altre Proprietà	Valore	Unità	Norma del test
Massa volumica	1110	kg/m ³	ISO 1183

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