

XENOY™ FR Resin ENH2901RC - Asia

(PC+PBT)

Saudi Basic Industries Corporation (SABIC)

Product Texts

Xenoy ENH2901RC is a Non-Braominated, Non Chlorinated flame retarded PC/PBT resin featuring of good flow, excellent chemical resistance with PCR% up to 40%. It was designed quite suitable for E&E housing applications

UL Yellow Card Link [E207780-102563505](https://www.ul.com/yellow-card/E207780-102563505)

Processing/Physical Characteristics	Value	Unit	Test Standard
ASTM Data			
Melt Flow Index, MFI	30	g/10min	ASTM D 1238
Temperature	265	°C	-
Load	5	kg	-

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Modulus	2450	MPa	ASTM D 638
Tensile Strength at Yield	63	MPa	ASTM D 638
Tensile Strength at Break	42	MPa	ASTM D 638
Elongation at Yield	4	%	ASTM D 638
Elongation at Break	40	%	ASTM D 638
Flexural Modulus	2400	MPa	ASTM D 790
Izod Impact notched, 1/8 in	85	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ISO Data			
Burning behav. at 1.5 mm nom. thickn.	V-0	class	IEC 60695-11-10
Thickness tested	1.5	mm	-
Burning behav. at thickness h	V-1	class	IEC 60695-11-10
Thickness tested	1.1	mm	-
ASTM Data			
DTUL @ 264 psi	77	°C	ASTM D 648
Vicat Temperature	101	°C	ASTM D 1525

Other properties	Value	Unit	Test Standard
Density	1200	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	80 - 90	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.04	%	-
Melt temperature	245 - 275	°C	-
Mold temperature	60 - 80	°C	-
Zone 1	220 - 255	°C	-
Zone 2	220 - 265	°C	-
Zone 3	245 - 275	°C	-
Screw speed	40 - 70	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Additives

Flame retarding agent

Special Characteristics

Flame retardant

Chemical Resistance

General Chemical Resistance

Certifications

Recycled Resin Content

Regional Availability

Asia Pacific