

NORYL™ Resin 100ES

(PPE+PS)-(CD+MF)

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL 100ES compound is based on Polyphenylene Ether (PPE) resin containing conductive carbon powder and minerals. Added features of this grade include: Electrically Conductive.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Flexural Modulus	3140	MPa	ASTM D 790
Flexural Strength	95	MPa	ASTM D 790
Izod Impact notched, 1/8 in	49	J/m	ASTM D 256

Thermal properties	Value	Unit	Test Standard
ASTM Data			
DTUL @ 66 psi	157	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	100000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1120	kg/m ³	ASTM D 792

Processing Recommendation Injection Molding	Value	Unit	Test Standard
Pre-drying - Temperature	100	°C	-
Pre-drying - Time	3 - 5	h	-
Processing humidity	≤0.02	%	-
Melt temperature	290 - 320	°C	-
Mold temperature	80 - 120	°C	-
Zone 1	270 - 300	°C	-
Zone 2	280 - 310	°C	-
Zone 3	290 - 320	°C	-

Characteristics

Processing

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Increased electrical conductivity