

NORYL™ Resin 115EM4

(PPE+PS)-(CD+MF)

Saudi Basic Industries Corporation (SABIC)

Product Texts

NORYL 115EM4 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	3340	MPa	ASTM D 790
Flexural Strength	108	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	163	°C	ASTM D 648

Electrical properties	Value	Unit	Test Standard
ASTM Data			
Surface Resistivity	1000000	Ohm	ASTM D 257

Other properties	Value	Unit	Test Standard
Density	1160	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