

Product Texts

NORYL™ EM7301F resin is a 10% glass reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable grade exhibits high heat resistance, good flow and polyurethane foam adhesion along with creep resistance, dimensional stability, and hydrolytic stability. NORYL EM7301F resin is an excellent candidate for automotive interior applications such as audio speaker components. This material is available only in black.

Mechanical properties	Value	Unit	Test Standard
ASTM Data			
Tensile Strength at Break	68	MPa	ASTM D 638
Elongation at Break	5	%	ASTM D 638
Izod Impact notched, 1/8 in	69	J/m	ASTM D 256

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 - 105	°C	-
Pre-drying - Time	3 - 4	h	-
Processing humidity	≤0.02	%	-
Melt temperature	270 - 300	°C	-
Mold temperature	65 - 95	°C	-
Zone 1	240 - 290	°C	-
Zone 2	250 - 295	°C	-
Zone 3	260 - 300	°C	-
Screw speed	20 - 100	rpm	-
Back pressure	0.3 - 0.7	MPa	-

Characteristics

Processing

Injection Molding

Applications

Automotive

Chemical Resistance

Hydrolytically Stable

Regional Availability

North America