NORYL™ RESIN EM7301HF

REGION ASIA

DESCRIPTION

NORYL™ EM7301HF resin is a 10% glass reinforced blend of polyphenylene ether (PPE) + high impact polystyrene (HIPS). This injection moldable grade has high flow and improved polyurethane foam adhesion along with creep resistance, dimensional stability, and hydrolytic stability. NORYL EM7301HF resin is an excellent candidate for automotive interior applications such as audio speaker components. This material is available only in black.

TYPICAL PROPERTY VALUES

Revision 20190109

PROPERTIES	TYPICAL VALUES	UNITS	TEST METHODS
MECHANICAL			
Tensile Stress, yld, Type I, 50 mm/min	71	MPa	ASTM D 638
Tensile Strain, brk, Type I, 50 mm/min	6	%	ASTM D 638
Flexural Stress, yld, 1.3 mm/min, 50 mm span	104	MPa	ASTM D 790
Flexural Modulus, 1.3 mm/min, 50 mm span	3590	MPa	ASTM D 790
IMPACT			
Izod Impact, notched, 23°C	80	J/m	ASTM D 256
THERMAL			
HDT, 1.82 MPa, 3.2mm, unannealed	112	°C	ASTM D 648
HDT, 1.82 MPa, 6.4 mm, unannealed	112	°C	ASTM D 648
PHYSICAL			
Specific Gravity	1.11	-	ASTM D 792
INJECTION MOLDING			
Drying Temperature	100 – 110	°C	
Drying Time	2 – 4	hrs	
Drying Time (Cumulative)	8	hrs	
Melt Temperature	260 – 290	°C	
Mold Temperature	70 – 90	°C	

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