

PRODUCT DATA SHEET

LEXPRENE EPP-300G

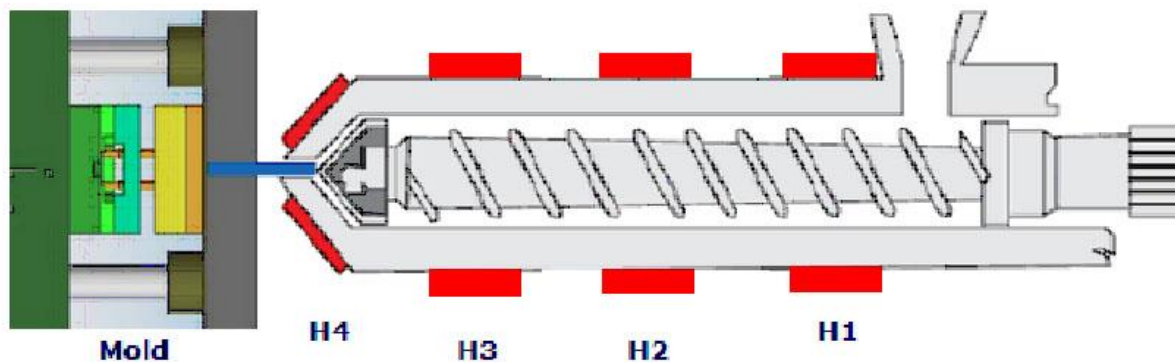
Description :

LEXPRENE EPP-300G is polypropylene reinforced glass fiber 30% compound with high impact & high heat resistance. The product is available in natural color pellet form which have easy injection molding , good appearance , specifically design to provide an excellent balance of stiffness and impact . Suggested molding conditions is melt temperature 220-240°C, mold temperature 30-70°C.

Application : Fan, fan shroud housing, engine under cover, etc.

General properties	EPP-PG30E	Unit	Test method
Density	1.125	g/cm ³	ISO 1183
Melt flow rate ,@230°C, 2.16kgf	4.5	g/10min	ISO 1133
Shrink-rate as-molded	0.4 ~ 0.6	% (4~6 /1,000)	Polylex method
Mechanical properties			
Izod impact strength, 4mm notched @+23°C	11	KJ / m ²	ISO 180
Izod impact strength, 4mm un notched @+23°C	45	KJ / m ²	ISO 180
Tensile stress, @ yield, 50 mm/min	90	MPa	ISO 527-1.-2
Flexural strength, @yield, 10 mm/min	89	MPa	ISO 178
Flexural modulus, 1% secant , 2 mm/min	6,400	MPa	ISO 178
Heat Deflection Temperature, @1.8MPa load	142	°C	ISO 75-A,-2
Filler content	30	%	ISO 3451-1

PROCESSING GUIDE of EPP-300G



Parameter Injection Molding		Value	Unit
Drying Temperature		°C	80 ~ 100
Drying Time		Hr	2 ~ 4
Maximum moisture content		%	0.1
Melt Temperature		°C	220 ~ 240
Cylinder Temperature	H4	°C	220 ~ 240
	H3	°C	210 ~ 220
	H2	°C	200 ~ 210
	H1	°C	190 ~ 200
Mold Temperature		°C	30 ~ 70
Back Pressure		MPa	0.3 ~ 0.7
Screw rotating speed		rpm	20 ~ 100