

PRODUCT DATA SHEET

LEXRYL PSP-137

Description :

Lexryl PSP-137 is PS/PPE compound with high impact & high modulus.

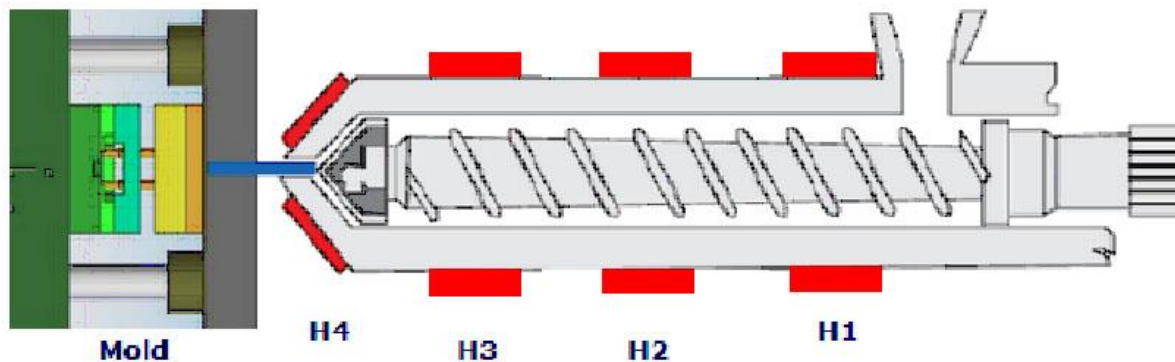
The product is available in natural black color or pre-colored pellet form which have design to provide an excellent balance of stiffness and impact for electric & electronics parts.

Suggested molding conditions is melt temperature 280-310°C, mold temperature 75-100°C.

Application : Electronic & Electronics part etc.

General properties	Value	Unit	Test method
Density	1.054	g/cm ³	ISO 1183
Melt flow rate ,@250°C, 10kgf	5.6	g/10min	ISO 1133
Shrink-rate	0.5 ~ 0.7	% (5~7/1,000)	ISO 294
Mechanical properties			
Izod impact strength, 4mm notched @+23°C	15	KJ / m ²	ISO 180
Tensile stress, @ yield, 50 mm/min	61	MPa	ISO 527-1.-2
Tensile strain, @ yield, 50 mm/min	11	%	ISO 527-1.-2
Flexural strength , 2 mm/min	85.3	MPa	ISO 178
Flexural modulus, 1% secant , 2 mm/min	2,210	MPa	ISO 178
Thermal properties			
Heat Deflection temperature @ 0.45 MPa, 4mm	130	°C	ISO 75-2
Flammability			
UL-94 method	-	1.5 mm	HB

PROCESSING GUIDE of LEXRYL PSP-137



Parameter Injection Molding		Value	Unit
Drying Temperature		°C	100 ~ 110
Drying Time		Hr	3 ~ 4
Maximum moisture content		%	0.02
Melt Temperature		°C	280 ~ 310
Cylinder Temperature	H4	°C	280 ~ 300
	H3	°C	270 ~ 280
	H2	°C	260 ~ 270
	H1	°C	250 ~ 260
Mold Temperature		°C	75 ~ 100
Back Pressure		MPa	0.3 ~ 0.7
Screw rotating speed		rpm	20 ~ 100