

LUPOY HR-5007A

Applications

Automobile I/P main core, Lower cluster pad main, clove box cover

Description

LUPOY HR-5007A resin gives high flow as well as high resistance and impact strength. This resin is suited for application where high impact and good flow are required.

Properties	Test Method	Test Condition	Unit	Value
Physical				
Specific Gravity	ASTM D792		-	1.13
Mold Shrinkage	ASTM D955		%	0.5~0.8
Mechanical				
Tensile Strength at yield	ASTM D638		kg/cm ²	610
			MPa	60
			psi	8670
Elongation at break	ASTM D638		%	>100
Flexural Strength	ASTM D790		kg/cm ²	880
			MPa	86
			psi	12500
Flexural modulus	ASTM D790		kg/cm ²	24000
			MPa	2350
			10 ³ × psi	340
IZOD Impact Strength	ASTM D256	Noched, 23℃	kg·cm/cm	65
			J/m	635
			ft·lb/in	12
IZOD Impact Strength	ASTM D256	Noched, -30℃	kg·cm/cm	45
			J/m	440
			ft·lb/in	8.3
Rockwell Hardness	ASTM D785	R-Scale	-	115
Thermal				
Melt Flow Index(MI)	ASTM D1238	250℃, 2.16kgf	g/10min	5
Heat Deflection Temperature	ASTM D648	1.82 MPa	℃	107
			°F	225
		0.45 MPa	℃	-
			°F	-
Flammability				
Flame Retardancy	UL 94		Class (Thick.:mm)	-
Characteristics				