80HF(SAN Injection Grade)

LG Chem

Item	Test method	Test Condition	Unit	Value
PHYSICAL				
Melt Index	ASTM D1238	200°C/5kg 220°C/10kg 230°C/3.8kg	g/10min g/10min g/10min	2.6 29 10.3
Specific Gravity	ASTM D792		-	1.07
Mold Shrinkage	ASTM D955		%	0.2~0.6
MECHANICAL				
Tensile Strength	ASTM D638	50mm/min	kg/cm^2 MPa lb/in^2	720 71 10,200
Tensile Modulus	ASTM D638	50mm/min	kg/cm^2 MPa lb/in^2	31,400 3,080 446,000
Elongation at Yield	ASTM D638	50mm/min	%	-
Elongation at Break	ASTM D638	50mm/min	%	>6
Flexural Strength	ASTM D790	50mm/min	kg/cm^2 MPa lb/in^2	1,150 113 16,300
Flexural Modulus	ASTM D790	15mm/min	kg/cm^2 MPa lb/in^2	37,300 3,660 530,000
Izod Impact Strength(notched)	ASTM D256	1/4", 23°C	kg·cm/cm J/m ft-lb/in	1.2 12 0.2
		1/4", -30°C	kg·cm/cm J/m ft-lb/in	1 10 0.2
		1/8", 23°C	kg·cm/cm J/m ft-lb/in	1.6 16 0.3
		1/8", -30°C	kg·cm/cm J/m ft-lb/in	1 10 0.2
Rockwell Hardness	ASTM D785	R-scale		123
THERMAL				
Heat Deflection Temp	ASTM D648	1/4", 18.56kg/cm^2 (annealed)	°C °F	97 207
		1/4", 18.56kg/cm^2 (unannealed)	°C °F	89 192
		1/4", 4.6kg/cm^2 (annealed)	°C °F	100 212
		1/4", 4.6kg/cm^2 (unannealed)	°C °F	93 199
Vicat Softening Temp	ASTM D1525	1kg/120°C/h	°C °F	105 221
		5kg/50°C/h	°C °F	99 210
ELECTRICAL				
HWI				3
HAI	UL 746A			0
HVTR		PLC Code		0
Arc Resistance	ASTM D495			5
CTI	UL 746A			1
FLAMMABILITY				
Flammability	UL 94	1/8" 1/10" 1/16"	class	HB HB
	IEC 707	1/8" 1/16"	mm/min	
CHRACTERISTIC				General Purpose

*Note : 1)The values of properties in the above table have been obtained by the test pieces(natural color) manufactured under certain of injection.

2)The listed values should be used for referential purposed only.