

KIMIALON[®] 6.6(CN130GRV0)

MATERIAL NAME: PA6.6

COLOR: NATURAL

CODE: CN130GRV0

MATERIAL DESCRIPTION: Kimialon[®] CN130GRV0 is flame retardant, 30% glass fiber reinforced, natural color prime Polyamide 6.6 resin for injection molding.

No.	PROPERTIES		METHOD	UNIT	VALUE
PHYSICAL PROPERTIES					
1	ASH CONTENT		ISO 3451	%	36
2	RELATIVE DENSITY		ISO 1183	g/cm ³	1.55
3	VISCOSITY NUMBER		ISO 307	Cm ³ /gr	---
4	MOISTURE CONTENT		ISO 62	%	0.23
MECHANICAL PROPERTIES					
5	TENSIL STRENGTH AT BREAK (5mm/min)		ASTM/D638	MPa	145
6	ELONGATION AT BREAK (5mm/min)		ASTM/D638	%	7.5
7	TENSIL MODULUS (5mm/min)		ASTM/D638	MPa	10.000
8	NOTCHED IMPACT STRENGTH-IZOD		ISO 180	Kj/m ²	10
9	UN NOTCHED IMPACT STRENGTH-IZOD		ISO 180	Kj/m ²	53
THERMAL PROPERTIES					
10	HARDNESS		ISO 868	Shore D	76
11	MFI		ASTM/D1238	g/10min	---
12	VICAT(50° C/h)	10N	ASTM/D1238	° C	240
		50N			
FLAMMABILITY					
13	HDT (120° C/h)	264psi	ASTM/D648	° C	245
		66psi			258
14	Flammability	Class	UL94	-	V0
INJECTION PROCESS PARAMETERS					
<i>Loading</i>		<i>Injection</i>		<i>Degassing</i>	
<i>Speed</i>	<i>Pressure (Bar)</i>	<i>Speed</i>	<i>Pressure (Bar)</i>	<i>Temperature</i>	<i>Time</i>
60	80	80	100	80 °C	0.5h
<i>Mold Releasing</i>		<i>Zone</i>			
Good		5	4	3	2
		- °C	255 °C	260 °C	265 °C
					270 °C