Hylon N2030H4L2 BK310

Polyamide 6 Prime Compound

Data Sheet

Product Description :	30% Glass Fiber Reinforced, Black Colour, Polyamide 6
Key Features :	HYLON N2030H4L2 BK310 is long term heat stabilized and lubricated PA6 compound with good strength, high processability and stiffness
Process Method :	Injection Moulding
Uses :	Designed for Automotive Applications
Revision Date :	01.01.2023

	Value	Unit	Standard
Physical			
Density	1,36	gr / cm3	ISO 1183 1-A
Mechanical			
Tensile Stress at Break	160	MPa	ISO 527-1
Yield Strength	165	MPa	ISO 527-1
Elongation at Break	3,5	%	ISO 527-1
Tensile Modulus	9500	MPa	ISO 527-1
Izod Impact Strength (Notched) (23°C)	12	kj/m2	ISO 180/1A
Charpy Impact Strength (Notched)	12	kj/m2	ISO 179/1A
Flexural Modulus	7400	Mpa	ISO 178
Flexural Strength	225	Mpa	ISO 178
Charpy Impact Strength (Unnotched)	60	kj/m2	ISO 179/1U
Charpy Impact Strength (notched (-38 C)	6,5	kj/m2	ISO 179/1
Charpy Impact Strength (Unnotched)	70	kj/m2	ISO 179/1A
Thermal			
HDT (0.45 Mpa)	217	°C	ISO 75B
HDT (1.8 Mpa)	200	°C	ISO 75A
Vicat Softening Point (50°C/50N)	213	°C	ISO 306
Vicat Softening Point (120°C/10N)	217	°C	ISO 306

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Flammability

Flammability (1,6 mm)	HB	*	UL 94
Flammability (3,2 mm)	HB	*	UL 94
Flammability (0,8 mm)	HB	*	UL 94

Electrical

CTI	450	V	IEC 60112

Drying Condition

Drying Time(hr)	2-4
Drying Temperature(C)	90

Molding Condition

Barrel Rear	235-240
Barrel Center	240-250
Barrel Front	250-265
Nozzle	250-265
Mould Temperature	80

Important Notice;