KLJ POLYMERS PRIVATE LTD.

KYlon PA6 0230 BK07

30% Glass Fibre reinforced PA6 compound

Product Description:-

KYlon PA6 0230 BK07 is 30% glass fibre reinforced PA6 compound in black colour for injection molding applications. It combines excellent mechanical properties with good flow for industrial & automotive applications. It is designed to provide:

- *Excellent processability*
- *Excellent Stiffness*
- *Excellent Chemical resistance*
- *Good warpage control*

Specification:-

Physical	Test Method	Unit	Specification
Density	ISO 1183	gm/cm3	1.36 ±0.02
Filler Content	KLJ-TM	%	30±2
Mechanical			
Tensile Strength	ISO 527-1, -2	MPa	≥1500
Tensile Strain at Break (-40 ^{o}C)	ISO 527-1, -2	%	3 to 5
Tensile modulus	ISO 527-1, -2	MPa	≥5300
Notched Izod Impact Strength (23°C)	ISO 180 – 1A	kJ/m2	≥ 10
Charpy Notched Impact Strength (-30^{o}C)	ISO 180 – 1A	Kgf.cm/cm	≥5
Flexural Modulus	ISO 178 - A	MPa	≥9000

Thermal			
H.D.T @ 0.46MPa	*ISO 75-1, -2*	*°C*	*≥ 218*
Electrical			
Flammability Rating 1.5 mm	*UL-94*		*HB*

Molding Guidelines:

General Processing Conditions for: *Injection molding*

Recommended for Pre drying at 80 to 90°C for 3-4hrs.

Molding Temperatures:

Feed Zone Temperature: 200°C - 210°C

Middle Zone Temperature: 215°C - 245°C

Nozzle Zone Temperature: 230°C - 270°C

Mold Temperature: 60°C - 90°C

Remark: The above temperatures should be considered only as guidelines and will vary with individual processes.

Storage Recommendation:-

Bags should be stored in dry place in sealed condition.

Packing:-

KYlon *granules are packed in 25 kg bags moisture proof bag.*

Safety:-

KYlon *is not classified as dangerous preparation.*

Disclaimer:-

- *The specifications given are the guidelines only.*
- *Above compound is suitable to run on different machines; however some adjustments may be required on individual machine.*
- *All properties are tested as per ASTM standards.*
- *The customers are advised to check the quality, prior to commercial use. There is no guarantee and/or warrantee what so ever, after processing.*