KLJ POLYMERS PRIVATE LTD.

KYlon PA6 0230 NA21

Heat Resistant 30% Glass reinforced PA6 compound

Product Description:-

KYlon PA6 0230 NA21 is 30% glass fibre reinforced heat resistant PA6 compound in natural colour for injection molding applications. It combines excellent mechanical properties with good flow for industrial & automotive applications. It can be made available in different colours as per customer specifications. It is designed to provide:

- *Excellent processability*
- *Excellent Chemical resistance*
- *Excellent Stiffness*

Specification:-

Physical	***Test Method***	***Unit***	***Specification***
Specific Gravity	*ASTM D 792*	*-*	*1.37 ±0.02*
Water Absorption (24h @ 23°C)	*ISO 62*	*%*	*0.8*
Humidity Absorption	*ISO 63*	*%*	*1.6*
Melt Flow Index	*ASTM D 1238*	*gm/10min.*	*5 min.*
Mechanical			
Tensile Strength	*ASTM D 638*	*kgf/cm2*	*≥1850*
Elongation @ Break	*ASTM D 638*	*%*	*3*
Notched Izod Impact Strength (23°C)	*ASTM D-256*	*kg cm/cm*	*≥ 12*
Izod Impact Strength	*ASTM D-256*	*kg cm/cm*	*≥ 85*
Flexular Modulus	*ASTM D 790*	*MPa*	*≥ 9000*

Thermal			
H.D.T @ 0.46MPa	*ASTM D-648*	*°C*	*≥ 218*
Melting Temperature	*ISO 11357*	*°C*	*221*
Flammability			
Glow Wire Test	*IEC 60695-2-13*	*650°C*	*Pass*

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.*