KLJ POLYMERS & CHEMICALS LTD.

KYlon PA6 0725 GY21

Flame Retardant 25% Mineral reinforced PA6 compound

Product Description:-

KYlon PA6 0725 GY21 is 25% mineral reinforced non halogenated & phosphorus free flame retardant PA6 compound in grey colour for injection molding applications. It combines excellent mechanical properties with good flow for MCB's, switch accessories, terminal blocks & industrial applications. It is designed to provide:

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

Specification:-

Physical	Test Method	Unit	Specification
Specific Gravity	*ASTM D 792*	*-*	*1.40 ±0.02*
Water Absorption @ saturation	*similar to ISO 62*	*%*	*0.8*
Shrinkage	*ASTM D 955*	*%*	*0.8±0.2*
Mechanical			
Tensile Strength	*ASTM D 638*	*kgf/cm2*	*≥ 670*
Notched Izod Impact Strength (23°C)	*ASTM D-256*	*kg cm/cm*	*≥ 3.0*

Thermal			
H.D.T @ 0.46MPa	*ASTM D-648*	*°C*	*≥ 210*

Flammability			
Glow Wire Flammability Index	*IEC 60695-2-12*	*°C*	*960*

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 - 235°C

Nozzle Zone Temperature: 230°C - 250°C

Mold Temperature: 55°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.*