KLJ POLYMERS PRIVATE LTD.

KYlon PA6 0400 BK23

Non Halogenated Flame Retardant Unfilled PA6 compound

Product Description:-

KYlon PA6 0400 BK23 is an unfilled flame retardant non halogenated & phosphorus free flame retardant PA6 compound for injection molding applications. It combines excellent mechanical properties with good flow for MCB's, switch accessories, terminal blocks & industrial applications. It is available in all colors as per customer requirement. It is designed to provide:

- *Excellent processability*
- *Excellent Stiffness*
- *Excellent Chemical resistance*
- *High Melt Strength*

Specification:-

Physical	Test Method	Unit	Specification
Specific Gravity	ASTM D 792	-	1.18 ±0.01
Shrinkage (Parallel)	ASTM D 955	%	1.0 ±0.1
Shrinkage (Normal)	ASTM D 955	%	1.0 ±0.1
Mechanical			
Tensile Strength	ASTM D 638	kgf/cm2	800
Notched Izod Impact Strength (23°C)	ASTM D-256	kg cm/cm	≥ 5

Thermal			
H.D.T @ 0.46MPa	ASTM D-648	°C	≥ 180

Flammability			
Glow Wire Flammability Index @ 0.8m	*IEC 60695-2-12*	*°C*	*960*
Flame Rating @ 1.5mm	IEC 60695-11-10	V0	Pass
Electrical			
Comparative Tracking Index	*IEC 60112*	*Volts*	*600*

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 - 260°C

Mold Temperature: 40°C - 70°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.*