KLJ POLYMERS PRIVATE LTD.

KYlon PA6 0100 NA18 *Unfilled PA6 compound*

Product Description:-

KYlon PA6 0100 NA18 is an unfilled PA6 compound for injection molding applications. It combines excellent mechanical properties with very good impact strength.

It is designed to provide:

Excellent processability
Excellent toughness
Excellent Chemical resistance

Specification:-

Physical	***Test Method***	***Unit***	***Specification***
Specific Gravity	*ASTM D792*	*-*	*1.13±0.02*
Melt Flow Index (230°C, 2.16Kg)	*ASTM D 1238*	*gm/10min*	*≥ 15*
Shrinkage	*ASTM D 955*	*%*	*1.3 ±0.2*
Mechanical			
Tensile Strength	*ASTM D638*	*MPa*	*≥ 70*
Notched Izod Impact Strength (23°C)	*ASTM D256*	*KJ/m2*	*≥ 5*
Flexural Strength	*ASTM D 790*	*MPa*	*≥70*
Flexural modulus	*ASTM D 790*	*MPa*	*≥2500*

Molding Guidelines:

General Processing Conditions for: *Injection molding*

Recommended for Pre drying at 80 to 85°C for 2 to 3hrs in a dehumidifier dryer:

Molding Temperatures:

Feed Zone Temperature: 220°C - 235°C

Middle Zone Temperature: 220°C - 245°C

Nozzle Zone Temperature: 230°C - 255°C

Mold Temperature: 60°C – 80°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.*