KLJ Group

KLJ POLYMERS PRIVATE LTD.

PP1 0400 GY54

Polypropylene FR Compound

For Injection Molded Products

Product Description:-

PP1 0400 GY54 is a grey color polypropylene flame retardant compound for injection molding applications. It combines good Tensile strength with better impact strength. It is recommended for all injection molded products used in appliances & house hold products. The same compound may be available in all colors recommended by customer.

It is designed to provide:

- *Excellent process ability*
- *Good Surface finish & gloss*
- *Excellent Tensile Strength*
- *Excellent Stiffness*

Specification:-

Physical	***Test Method***	***Unit***	***Specification***
Specific Gravity	*ASTM D 792*	*-*	*0.95±0.02*
Melt Flow Index (230°C, 2.16Kg)	*ASTM D 1238*	*gm/10min*	*10 min*
Shrinkage	*ASTM D 955*	*%*	*2.2 ±0.2*
Mechanical			
Tensile Strength	*ASTM D 638*	*kg/cm2*	*≥300*
Notched Izod Impact Strength	*ASTM D-256*	*kg cm/cm*	*≥ 3.5*
Flexural Modulus	*ASTM D-790*	*kg/cm^2*	*≥ 16000*
Ball Indentation Pressure	*IEC-60695-10-2*	*mm*	*1.0 to 1.5*
Thermal			
HDT @ 0.45MPa	ASTM D 648	*℃*	*110*

Flammability			
Flame resistance	*UL 94*	*FR V2*	*Pass*
GWFI	*IEC 60695-2-12*	*°C*	*850*

Molding Guidelines:

General Processing Conditions for: *Injection molding*

Recommended for Pre drying at 80°C for 2hrs.

Molding Temperatures:

Feed Zone Temperature: 160°C - 200°C

Middle Zone Temperature: 210°C - 240°C

Nozzle Zone Temperature: 205°C - 245°C

Mold Temperature: 25°C - 50°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:-

KLJ PLENE *granules are packed in 25 kg bags.*

Safety:-

KLJ PLENE *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.*
- *Any data may change without prior information.*
- *The customers are advised to check the quality, prior to commercial use. There is no guarantee and/or warrantee what so ever, after processing.*