

Hanwha Total PP KL11SW

Polypropylene

HANWHA TOTAL PETROCHEMICALS Co., Ltd.

Message:

KL11SW is a polypropylene compound that features superior anti-fungus with possessing balanced strength and impact strength due to use of high-quality base resins.

Outstanding features of this resin are high flowability, superior processability and high resistance to thermal discoloration and to light with excellent external finishes and high anti-fungus properties.

KL11SW has passed anti-fungus tests in Korea and Japan, and is widely used for electronic parts and kitchen utensils requiring anti-fungus characteristics.

General Information			
Features	Fungus Resistant		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Processability		
	Good Strength		
	Good UV Resistance		
	High Flow		
	High Heat Resistance		
	Medium Rigidity		
Uses	Containers		
	Electrical Parts		
	Kitchenware		
Forms	Pellets		
Processing Method	Extrusion		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹	10.8	MPa	ASTM D638
Tensile Elongation ² (Break)	590	%	ASTM D638
Flexural Modulus ³	196	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	39.0	°C	ASTM D648

Injection	Nominal Value	Unit
Rear Temperature	170 to 180	°C
Middle Temperature	190 to 220	°C
Front Temperature	190 to 220	°C
Nozzle Temperature	210 to 230	°C
Mold Temperature	20.0 to 80.0	°C
NOTE		
1.	50 mm/min	
2.	50 mm/min	
3.	5.0 mm/min	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

