



Kimafill 4925

HT-ABS Compound

Product Description

Kimfill 4925 is one of the styrenic terpolymer (ABS) grade with improved toughness and resistance to heat. Kimfill 4925 exhibits, Very low shrinkage, good dimensional stability, good weatherability and chemical resistance with high impact and flow characteristics. Kimfill 4925 is widely used in general injection molding applications. Use this information as a guide to aid you in selecting the proper resin for your application.

Applications:

furniture, automotive parts ,general injection molding, appliances casing and home appliances with heat resistance characteristics.

Drying:

Drying prior to processing is recommended in a desiccant dehumidifying hopper dryer. An inlet air dew point of -20°F (-29°C) or below is recommended to achieve a moisture content 0.1%. Typical drying conditions are 2 hours at 180° - 190°F (82° - 88°C). Drying for 4 hours at 160° - 170°F (71°-77°C) is also adequate.

General

Carrier	• ABS
Compatibility	• ABS, PS, HIPS
Features	• Excellent Process ability
Uses	• Injection process
Appearance	• White
Packaging	• 25 sacks on pallet or 1000kg big bags

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (200°C/5.0 kg)	2-3	g/10 min	ASTM D 1238
Mold Shrinkage	<0.5	%	ASTM D955
Water Content	<0.05	%	ASTM E1868
Moisture Content	<1000 ppm		ASTM D789
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (min)	36	MPa	ASTM D638
Elongation at Break (min)	20	%	ASTM D638
Impact (min)	20	KJ/m2	ASTM D256
Hardness min.	70	Shore D	ASTM D2240
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature min.	125 ±3	°C	ISO 306/A50
HDT	111 ±3	°C	ASTMD648

Injection

As a guide the following temperature profile is recommended:

	Processing Temps. By Zone (°C)						
	1	2	3	4	Nozzle	Melt Temp.	Mold Temp
Kimfill 4925	190-200	200-215	215-230	230-245	250	250	50-75

Storage & Shelf life

Sacks should be stored in dry/closed condition at temperature below 50 °C and protected from UV /direct sunlight. Shelf life at proper storage is at least 18 month from production date, but in case of a long storage time potential moisture pick-up needs to be eliminated by drying before extrusion. Under these conditions the product can be hold at least 24 months.

Note

- Test results have been achieved in lab condition. Miss handling may give different result and sometimes outside of the standard
- 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.
- The customers are advised to check the quality, prior to commercial use. There is no guarantee and/or warrantee what so ever, after processing

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