



Kimadd 6815

PP Viscose Break

Product Description

Kimadd 6815 is made by Special compound technology. This masterbatch is containing base on polypropylene resin. It's usage for increase fluidity (MFR) of polypropylene (only polypropylene) and control of to narrow molecular weight distribution together.

Base on high flow PP resin therefore suitable for fiber or any kinds of molding processing and save cost for clients.

Kimadd 6815 is use for the production of PP melt-blown fibers & many different kinds of PP molding applications. The preparation and the use of a Masterbatch with a low concentration are safe and easy to handle.

1. Polymer producers of PP
2. PP Nonwovens by Melt blown
3. Converters for Melt flow fiber, GMT and LFT
4. Recyclers

The addition level of the masterbatch depends to the final application. Typical addition levels vary from 3% to 9%.

General

Carrier	• PP
Compatibility	• PP
Features	• Excellent Process ability
Uses	• Injection and Extrusion process
Appearance	• Natural - Transparent
Packaging	• 25 sacks on pallet or 1000kg big bags

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (230°C/2.16 kg)	High	g/10 min	ASTM D 1238
Water Content	<0.05	%	ASTM E1868
Moisture Content	<1000 ppm		ASTM D789

Thermal	Nominal Value	Unit	Test Method
Melting Temperature (DSC)	170 ±3	°C	ASTM D3418

Extrusion

Examples of experimental results by extrusion at 230° C :

1 % of Kimadd 6815 will increase PP MFI from 25 to 30.
2 % of Kimadd 6815 will increase PP MFI from 7 to 15.
3 % of Kimadd 6815 will increase PP MFI from 20 to 50.
5 % of Kimadd 6815 will increase PP MFI from 15 to 40.
7 % of Kimadd 6815 will increase PP MFI from 30 to 100.
9 % of Kimadd 6815 will increase PP MFI from 30 to 200

Injection

As a guide the following temperature profile is recommended:

	Processing Temps. By Zone (C)			Melt Temp. C	Injection Pressure psi	Cycle Time sec	Parts per hour #
	1	2	3				
0 PHR Kimadd 6815	199	204	207	207	650	38	95
5 PHR Kimadd 6815	177	179	185	195	650	26	140

Base Resin: PP MFR=5

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

Issue Date: Nov. 2019

Issue Number: 01

R&D Department