

POYAD VM111

Polypropylene

Pooya Polymer Tehran

Message:

Viscosity Modifier MB

Description

POYAD VM111 is a PP based concentrate contains a special viscosity modifier agent that reduce melt viscosity of polypropylene meanwhile narrow the molecular weight distribution.

POYAD VM111 is only applicable in PP based processing that need high melt flow rate such as In Mold Labeled parts (IML) and Melt Blown Fibers.

Application

POYAD VM111 is designed for ease of dilution and homogeneous mixing and is therefore suitable for direct addition using automatic dosing units or by pre-blending.

Depending on the application, type of base resin and process condition it can be used from 0.5 to 2%.

A study shows using 0.5% of POYAD VM111 increasing MFI more than 4 times and rising dosage to 1%, increases MFI up to 6 times. The effect depends on initial MFI, process temperature and existence of other chemicals.

It should be stored in a dry and cool place (max 25°C) not to exceed 6 months.

General Information			
Additive	Unspecified Additive		
Uses	Masterbatch		
Appearance	Yellow		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.910	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.0 to 6.0	g/10 min	ASTM D1238
Moisture Content	< 1000	ppm	ASTM D644
Additional Information	Nominal Value	Unit	Test Method
Dispersion	OK		Internal Method
Pellet Size	30.0 to 40.0	pcs/cm ³	Internal Method

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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



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