

Hifax EP5 10/60 M BIANCO

Polypropylene Copolymer

LyondellBasell Industries

Message:

"Hifax" EP5 10/60 M Bianco, is a white adhesive polypropylene copolymer with a high thermal stability. Due to the polar groups grafted to the polymer backbone, this grade offers excellent adhesion to polar materials (i.e. epoxy, resin, steel, etc.). The material is available in powder form. The particle size distribution is mainly in the 90 - 500 µm range.

General Information			
Features	Copolymer		
	Impact resistance, high		
	Good adhesion		
	Heat resistance, high		
	Thermal stability, good		
Uses	Pipeline coating		
	Coating application		
Forms	Powder		
Processing Method	Sprayable		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ISO 1183/A
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	9.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress			ISO 527-2
Yield	16.0	MPa	ISO 527-2
Fracture	19.0	MPa	ISO 527-2
Tensile Strain (Break)	> 400	%	ISO 527-2
Flexural Modulus	700	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Vicat Softening Temperature	110	°C	ISO 306
Melting Temperature (DSC)	140	°C	ISO 3146
Oxidation Induction Time (220°C)	> 40	min	ASTM D3895

Additional Information

Unless specifically indicated, the grade mentioned is not suitable for applications in the pharmaceutical/medical sector.

Injection instructions

Recommended melt temperatures: The powder should be applied when the pipe temperature is within the range recommended by the epoxy supplier.

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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



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