

Moplen EP5001

Polypropylene Copolymer

PolyMirae

Message:

Moplen EP5001 is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process.

Moplen EP5001 is a block copolymer suitable for industrial pipe and sewage system.

Moplen EP5001 resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Block Copolymer		
	Food Contact Acceptable		
	Good Processability		
	High Impact Resistance		
	High Stiffness		
Uses	Corrugated Pipe		
	Industrial Applications		
	Piping		
Agency Ratings	FDA 21 CFR 177.1520		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	0.30 to 0.50	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	31.4	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1670	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C, Injection Molded)	No Break		ASTM D256

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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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