

# Moplen EP440G

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP440G is the polypropylene block copolymer manufactured by PMC under the license of BASELL using the Spheripol process. Moplen EP440G is a block copolymer typically used by customers in corrugated board and corrugated plastic applications for industrial packing. Moplen EP440G resin meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.

General Information			
Features	Block Copolymer		
	Rigidity, high		
	Workability, good		
	Good melt strength		
	Low temperature impact resistance		
	Compliance of Food Exposure		
	Medium hardness		
Uses	Packaging		
	Wave plate		
	Industrial application		
Agency Ratings	FDA 21 CFR 177.1520		
RoHS Compliance	Contact manufacturer		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.3	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, Injection Molded)	95		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Injection Molded)	34.3	MPa	ASTM D638
Tensile Elongation (Yield, Injection Molded)	9.0	%	ASTM D638
Flexural Modulus (Injection Molded)	1320	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-20°C, injection molding	59	J/m	ASTM D256
23°C, injection molding	690	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method

Deflection Temperature Under Load (0.45  
MPa, Unannealed, Injection Molded)

110

°C

ASTM D648

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

#### 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

