

# E-FLEX™ I3265

Ethylene Acrylic Acid Copolymer

Mando Advanced Materials Co., Ltd.

## Message:

E-FLEX I3265 is a family of ethylene acrylic acid (E/AA) copolymers, in which part of the acrylic acid is neutralized with Zn/Na ions

General Information			
Uses	Consumer goods application field		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.948	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	15 - 20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	60		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
	2.55		
Tensile Strength <sup>1</sup> (Break)	26.0	MPa	ASTM D638
Flexural Modulus <sup>2</sup>	350	MPa	ASTM D790
Flexural Strength <sup>3</sup>	18.0	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ASTM D256
-30°C, 3.18 mm	No Break		ASTM D256
23°C, 3.18 mm	No Break		ASTM D256
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	85.0 - 90.0	°C	ASTM D3418
Injection	Nominal Value	Unit	Test Method
Drying Temperature	40.0	°C	
Drying Time	4.0 - 8.0	hr	
Rear Temperature	180 - 210	°C	
Middle Temperature	200 - 220	°C	
Front Temperature	210 - 230	°C	
Nozzle Temperature	210 - 230	°C	
Mold Temperature	< 30.0	°C	
Injection instructions			
Injection Speed: 40 to 70%Injection Pressure - 1st: 20 to 50%Injection Pressure - 2nd: 20 to 50%Injection Pressure - Back Pressure: 20 to 50%			
NOTE			
1.	50 mm/min		
2.	3.0 mm/min		

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

