

Moplen EP2YX29GA

Polypropylene Random Copolymer

Shazand (Arak) Petrochemical Corporation

Message:

Moplen EP2YX29GA is a polypropylene random copolymer with excellent flow and antistatic properties. The product features very high transparency and gloss.

Moplen EP2YX29GA is mainly designed for transparent house wares and quality packaging applications. Moplen EP2YX29GA is an outstanding grade for injection moulded containers and thin-walled packaging where clarity is of utmost importance.

Typical injection moulding applications include food storage containers, household articles, food packaging, cosmetics and pharmaceutical products, lids, caps and closures. In many of these applications Moplen EP2YX29GA can replace PS since it can match optical properties whilst adding low weight, low odour transfer, chemical resistance and impact strength .Another major application of Moplen EP2YX29GA is the co-extrusion with other polypropylene resins to produce multilayer sheet for thermoforming trays for fresh pasta and bakery products.

* Moplen EP2YX29GA is suitable for food contact.

General Information	
Additive	Antistatic
Features	Antistatic
	Food Contact Acceptable
	Good Chemical Resistance
	Good Flow
	Good Impact Resistance
	High Clarity
	High Gloss
	Low Odor Transfer
	Opticals
	Random Copolymer
Uses	Caps
	Closures
	Containers
	Cosmetics
	Food Packaging
	Household Goods
	Lids
	Packaging
	Pharmaceuticals
	Sheet
	Support Trays
	Thin-walled Packaging
Appearance	Clear/Transparent
Processing Method	Coextrusion
	Injection Molding

Thermoforming

Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	10	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	94		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield)	28.0	MPa	ASTM D638
Tensile Elongation (Yield)	12	%	ASTM D638
Flexural Modulus	1050	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	85	J/m	ASTM D256
Aging	Nominal Value	Unit	Test Method
Oven Aging (150°C)	15.0	day	ASTM D3012
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	83.0	°C	ASTM D648
Vicat Softening Temperature	128	°C	ASTM D1525 ¹
Optical	Nominal Value	Unit	Test Method
Gardner Gloss	73		ASTM D523
Haze	17	%	ASTM D1003
NOTE			
1.	Loading 1 (10 N)		

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

