

Moplen RP241H

Polypropylene Random Copolymer

LyondellBasell Industries

Message:

Moplen RP241H is a nucleated random copolymer for extrusion applications. The grade exhibits high transparency and good impact strength. The main applications of Moplen RP241H are extrusion blow moulding, sheet extrusion and thermoforming. Moplen RP241H is suitable for food contact.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable		
	Good Impact Resistance		
	High Clarity		
	Nucleated		
	Random Copolymer		
Uses	Blow Molding Applications		
	Bottles		
	Consumer Applications		
	Industrial Applications		
Appearance	Clear/Transparent		
Processing Method	Extrusion		
	Extrusion Blow Molding		
	Pipe Extrusion		
	Sheet Extrusion		
	Thermoforming		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ISO 1183
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	1.8	g/10 min	ISO 1133
Melt Volume-Flow Rate (MVR) (230°C/2.16 kg)	2.40	cm ³ /10min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Ball Indentation Hardness	45.0	MPa	ISO 2039-1
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	850	MPa	ISO 527-2
Tensile Stress (Yield)	24.0	MPa	ISO 527-2
Tensile Strain			ISO 527-2
Yield	14	%	

Break	> 50	%	
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	4.0	kJ/m ²	
23°C	45	kJ/m ²	
Charpy Unnotched Impact Strength			ISO 179/1eU
0°C	No Break		
23°C	No Break		
Optical	Nominal Value	Unit	Test Method
Haze (1000 µm, Injection Molded)	9.0	%	ASTM D1003

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

