

Moplen EP546T

Polypropylene Impact Copolymer

LyondellBasell Industries

Message:

Moplen EP549T is high flow , high crystallinity polypropylene impact copolymer resin

General Information			
Features	Crystalline		
	Good Impact Resistance		
	Good Processability		
	High Flow		
	High Stiffness		
	Impact Copolymer		
Uses	Containers		
	Food Containers		
	Thin-walled Containers		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792, ISO 1183
Melt Mass-Flow Rate (MFR)			
230°C/2.16 kg	60	g/10 min	ASTM D1238
230°C/2.16 kg	8.0	g/10 min	ISO 1133
Hardness	Nominal Value	Unit	Test Method
Shore Hardness (Shore D)	70		ISO 868
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus	1450	MPa	ISO 527-2/1
Tensile Strength			
Yield	26.0	MPa	ASTM D638
Yield	35.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield	3.2	%	ASTM D638
Yield	10	%	ISO 527-2/50
Flexural Modulus	1550	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	40	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	115	°C	ASTM D648

0.45 MPa, Unannealed	85.0	°C	ISO 75-2/B
Vicat Softening Temperature	152	°C	ISO 306/A50

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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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