

Rigidex® P 800xCA40

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

Message:

Rigidex ® P 800xCA40 is a new generation transparent impact copolymer especially intended for the injection moulding of thin wall articles with unprecedented combination of clarity, stiffness and low temperature impact resistance.

Applications

- Transparent thin wall ice cream containers
- Transparent thin wall injection moulding for food and nonfood applications

Caps and closures

Housewares

Clarified food containers with low temperature impact resistance

Benefits and Features

- Very good optics: high clarity, gloss and aesthetic aspect
- Good impact resistance at low temperature (-20°C)
- Very good flow
- Antistatic

General Information			
Additive	Antistatic property		
Features	Rigidity, high		
	Highlight		
	Optical		
	Impact copolymer		
	Antistatic property		
	Impact resistance, high		
	High liquidity		
	Low temperature impact resistance		
	Definition, high		
	Compliance of Food Exposure		
Uses	Good appearance		
	Thin wall parts		
	Shield		
	Household goods		
	Container		
RoHS Compliance	Shell		
	Contact manufacturer		
	Clear/transparent		
	Particle		
	Injection molding		
Physical	Nominal Value	Unit	Test Method

Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	40	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, 23°C)	24.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1050	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			ISO 180/1A
-20°C	3.0	kJ/m ²	ISO 180/1A
0°C	4.5	kJ/m ²	ISO 180/1A
Instrumented Falling Weight Impact Strength (-20°C)	130	J/cm	ISO 6603-2
Optical	Nominal Value	Unit	Test Method
Haze			ASTM D1003
1000 µm	45	%	ASTM D1003
2000 µm	90	%	ASTM D1003

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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

