

COSMOPLENE® Z433

Polypropylene Random Copolymer
TPC, The Polyolefin Company (Singapore) Pte Ltd

Message:

COSMOPLENE Z433 is designed specially for applications which require high transparency. Z433 is a Polypropylene Random Copolymer with high flow property, it shows high impact resistance, less whitening after impact and good modulus.
COSMOPLENE Z433 is designed for air tight container, house-hold cup etc.

General Information			
Features	Good Stiffness		
	High Clarity		
	High Flow		
	High Impact Resistance		
	Random Copolymer		
	Terpolymer		
Uses	Containers		
	Cups		
	Household Goods		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Appearance	Clear/Transparent		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.900	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Break)	26.5	MPa	ASTM D638
Tensile Elongation (Break)	> 800	%	ASTM D638
Flexural Modulus	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact Strength	4.9	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	105	°C	ASTM D648
Melting Temperature	145	°C	Internal Method
Optical	Nominal Value	Unit	Test Method
Haze (2000 μm)	21	%	Internal Method

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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

