

Rigidex® P CAP906S

Polypropylene Impact Copolymer

INEOS Olefins & Polymers Europe

Message:

Rigidex® P CAP906S is an impact copolymer polypropylene suitable for closures requiring good impact performance, especially at low temperature, balanced with low tendency to stress whitening. It is specifically designed and formulated for bi-component screw caps for carbonated soft drinks made by either injection or compression moulding.

Typical applications

closures requiring good impact performances- especially at low temperature - and easy application and opening torqu

bi-component screw caps for carbonated soft drinks

Benefits and Features

Good processability

High impact strength

Low tendency to exhibit stress whitening

Grade containing slip agent for easy opening

Good mould release

General Information			
Additive	Slip		
Features	Good Mold Release		
	Good Processability		
	High Impact Resistance		
	Impact Copolymer		
	Low Temperature Impact Resistance		
	Slip		
	Stress Whitening Resistant		
Uses	Caps		
	Closures		
RoHS Compliance	Contact Manufacturer		
Processing Method	Compression Molding		
	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	6.0	g/10 min	ISO 1133
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield)	30.0	MPa	ISO 527-2
Flexural Modulus (23°C)	1500	MPa	ISO 178
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength			ISO 179/1eA
0°C	4.0	kJ/m²	
23°C	6.0	kJ/m²	

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (0.45 MPa, Unannealed)	110	°C	ISO 75-2/B

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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

