



CSR-9000N BL series Thermoplastic Elastomer

CSR-9000N BL Series Thermoplastic Elastomer in natural color has a comfortable rubber feel. It can be insert-molded with olefinic materials such as PP and PE, or molded singularly as solid parts. It has moderate level of weather and chemical resistance, low-odor and free of harmful substances, which provides room for infinite design ideas generation.

Product Features:

- Overmolding on PP/PE
- Good Weatherability
- Easy Processing
- Good Paintability
- Recyclable materials

Application:

- Housewares
- Kitchenware
- Anti slip
- Stationary accessories
- Sports accessories
- Tools accessories

Typical Physical Data⁽¹⁾⁽²⁾

Properties	Unit	TEST METHOD	CSR-9000N ⁽¹⁾						
			30BL	40BL	50BL	60BL	70BL	80BL	90BL
Hardness	Shore A	ASTM D2240	30	40	50	60	70	80	90
Density	g/cm ³	ASTM D792	1.07	1.07	1.07	1.07	1.07	1.07	1.07
Tensile Strength	MPa	ASTM D638 ⁽²⁾	>1.0	>1.0	>1.0	>2.0	>3.0	>4.0	>5.0
Elongation	%	ASTM D638 ⁽²⁾	>200	>200	>200	>200	>200	>200	>200
Color			Natural						

*Crosshead speed @ 500 mm/min

Injection Profile (recommendation)

• Processing Temperature:

Feed Zone	150-170°C
Transition Zone	170-195°C
Metering Zone	180-210°C
Nozzle	185-210°C
Mold	40-50°C

• Drying: 70-80°C for 3-4 hours.

• Paintability: use color master batch or pigment.

• Recycling: non-contaminated material can be reused and loading level needs to be determined by the

1) Custom Specification could be developed upon customers request.

(2) Injection Molded Data

For further enquiry, please contact Suhhae Sales Representatives

The listed information is for reference purpose only, could be considered as product sales specification

Customers are recommended to conduct their own evaluation for material performance validation.