

SURPASS® CCs757-A

High Density Polyethylene Copolymer

NOVA Chemicals

Message:

SURPASS®CCs757-A is a high density polyethylene copolymer material. This product is available in North America and is processed by injection molding.

SURPASS®The main features of the CCs757-A are:

High resistance to environmental stress fracture (ESCR)

environmental protection/green

Good processability

Antioxidants

Good stiffness

Typical application areas include:

hat/cap/cork

food contact applications

General Information			
Additive	Antioxidation		
Features	Rigid, good		
	High ESCR (Stress Cracking Resistance)		
	Antioxidation		
	Recyclable materials		
	Workability, good		
	Good sensory characteristics		
	Bimodal molecular weight distribution		
	Octene comonomer		
Uses	Shield		
	Shell		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.2a		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.957	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Injection Molding, F50)	19.0	hr	ASTM D1693B
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D)	66		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹			ASTM D638
Yield	29.0	MPa	ASTM D638
Fracture	24.0	MPa	ASTM D638
Tensile Elongation ²			ASTM D638

Yield	8.0	%	ASTM D638
Fracture	800	%	ASTM D638
Flexural Modulus			ASTM D790B
1% secant	1380	MPa	ASTM D790B
Tangent	1650	MPa	ASTM D790B

NOTE

1. 51 mm/min
2. 51 mm/min

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