



Ravago Compounds HM-301 (Comp)

Ravago Manufacturing Americas - High Density Polyethylene

Tuesday, November 5, 2019

General Information

Product Description

Key Features:

- Excellent long term outdoor weatherability (UV8)
- Balance of toughness and rigidity
- Excellent stiffness
- Good environmental stress crack resistance, ESCR
- Compounded for uniform additive dispersion
- Natural as well as standard, custom or special effect colors available
- Stock colors may be available. See Stock color bulletin
- Also available in powder form as HMP-301

General

Material Status	• Commercial: Active		
Availability	• North America		
Features	• Good Toughness • Good Weather Resistance	• High ESCR (Stress Crack Resist.) • High Rigidity	• High Stiffness
Appearance	• Colors Available	• Natural Color	
Forms	• Pellets		
Processing Method	• Compression Molding		

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density / Specific Gravity	0.942		ASTM D792
Melt Mass-Flow Rate (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (ESCR) 100% Igepal, Compression Molded, F50	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	2700	psi	ASTM D638
Tensile Elongation (Break, Compression Molded)	1000	%	ASTM D638
Flexural Modulus - Tangent (Compression Molded)	135000	psi	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load 66 psi, Unannealed, Compression Molded	151	°F	ASTM D648
Deflection Temperature Under Load 264 psi, Unannealed, Compression Molded	108	°F	ASTM D648

Notes

¹ Typical properties: these are not to be construed as specifications.