

Ravago Compounds HM-301 (Comp)

High Density Polyethylene

Ravago Manufacturing Americas, LLC

Message:

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 Information			
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		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Compression Molded, F50)	1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Compression Molded)	18.6	MPa	ASTM D638
Tensile Elongation (Break, Compression Molded)	1000	%	ASTM D638
Flexural Modulus - Tangent (Compression Molded)	931	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Compression Molded	66.0	°C	
1.8 MPa, Unannealed, Compression Molded	42.0	°C	

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