

Ravago Compounds HMP-315 (Roto)

High Density Polyethylene

Ravago Manufacturing Americas, LLC

Message:

Key Features:

35-mesh powder

Good moldability

Excellent long term outdoor weatherability (UV8)

Balance of toughness and rigidity

Good low temperature impact

Improved stiffness

Excellent environmental stress crack resistance, ESCR

Compounded for uniform additive dispersion

Natural as well as standard, custom or special effect colors available

Stock colors available. See Stock color bulletin

UL component recognition listing (E141240)

Also available in pellet form as HM-315

General Information			
Features	Good Moldability		
	Good Stiffness		
	Good Toughness		
	Good Weather Resistance		
	High ESCR (Stress Crack Resist.)		
	High Rigidity		
	Low Temperature Impact Resistance		
UL File Number	E141240		
Appearance	Colors Available		
	Opaque		
Forms	Powder		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.940	g/cm ³	ASTM D792
Apparent Density ¹	0.34	g/cm ³	ASTM D1895
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	4.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, Rotational Molded, F50)	500	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, Rotational Molded)	20.7	MPa	ASTM D638
Tensile Elongation (Break, Rotational Molded)	400	%	ASTM D638

Flexural Modulus - Tangent (Rotational Molded)	827	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Impact Strength ² (-40°C, Rotational Molded)	81	J	ARM
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed, Rotational Molded	57.0	°C	
1.8 MPa, Unannealed, Rotational Molded	47.0	°C	
Flammability	Nominal Value		Test Method
Flame Rating			UL 94
1.52 mm	HB		
3.05 mm	HB		
Additional Information	Nominal Value	Unit	Test Method
Pourability ³	30.0	sec	ASTM D1895
NOTE			
1.	35-mesh powder		
2.	F50		
3.	35-mesh powder		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

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

