

Clearflex® H&T RBH 58 Y

High Density Polyethylene

Versalis S.p.A.

Message:

Clearflex H&T RBH 58 is a cross-linkable high density polyethylene, with antioxidants, UV stabilizers and yellow coloration , suitable for rotomolding applications.

The resin shows high toughness, excellent elongation at break and ESCR.

Main application

Thanks to its overall performances, Clearflex H&T RBH 58 Y is highly recommended for production of industrial and agricultural chemical storage tanks, automotive fuel tanks and many other items where stress cracking and impact resistance are required.

General Information			
Additive	Antioxidation		
	UV stabilizer (1500 ppm)		
Features	High Toughness		
	High ESCR (Stress Cracking Resistance)		
	Antioxidation		
	Impact resistance, good		
	Crosslinkable		
Uses	Industrial water tank		
	Agricultural water tank		
	Application in Automobile Field		
	Water tank		
	Fuel Tank		
Appearance	Yellow		
Forms	Particle		
Processing Method	rotomolding		
Physical	Nominal Value	Unit	Test Method
Density	0.945	g/cm ³	ISO 1183
Environmental Stress-Cracking Resistance	> 1000	hr	ASTM D1693B
Mechanical	Nominal Value	Unit	Test Method
Tensile Stress (Yield, Rotational Molded)	21.0	MPa	ISO 527-2
Tensile Strain (Break, Rotational Molded)	> 250	%	ISO 527-2
Flexural Modulus (Rotational Molded)	700	MPa	ISO 178
Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature (1.8 MPa, Unannealed)	65.0	°C	ISO 75-2/A
Extrusion	Nominal Value	Unit	
Melt Temperature	230 - 280	°C	

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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

