Formolene® L63568U

Linear Low Density Polyethylene

Formosa Plastics Corporation, U.S.A.

Message:

Formolene L63568U is a general-purpose rotational molding linear low density resin made using the BP Gas Phase Process™. The resin exhibits excellent ESCR and low temperature impact strength. The resin is also fully UV stabilized.
Formolene L63568U meets all requirements of the U.S. Food and Drug Administration as specified in 21 CFR 177.1520, covering safe use of polyolefin articles intended for direct food contact.
Suggested Applications:
Toys Medium
Tanks
Playground Equipment
Drums
Agricultural and Chemical Storage Tanks

General Information	
UL YellowCard	E205741-100790141
Additive	UV Stabilizer
Features	Food Contact Acceptable General Purpose Good UV Resistance Hexene Comonomer High ESCR (Stress Crack Resist.) Low Temperature Impact Resistance
Uses	Agricultural Tanks Drums Industrial Tanks Outdoor Furnishings Tanks Toys
Agency Ratings	EC 1907/2006 (REACH) FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Rotational Molding

Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	6.8	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance			ASTM D1693A
10% Igepal, Compression Molded, F50	200	hr	

100% Igepal, Compression Molded, F50	> 1000	hr	
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, Compression Molded)	18.6	MPa	ASTM D638
Tensile Elongation [2] (Yield, Compression Molded)	12	%	ASTM D638
Flexural Modulus [3] (Compression Molded)	68.9	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Low Temperature Impact - Compression Molded (-40°C, 3.18 mm)	61.0	J	ARM
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed, Compression Molded)	50.0	°C	ASTM D648
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	1.3 mm/min		

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