

Formosa Plastics Formolene® L64220U Rotational Molding LLDPE (discontinued **)

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE), Rotational Molding Grade

Material Notes:

Linear Low Density Polyethylene Hexene Copolymer for Rotational Molding Formolene® L64220U 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. Formolene® L64220U is also fully UV stabilized Formolene® L64220U 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. Applications: Large Playground Equipment, Large Tanks and Agricultural and Chemical Storage Tanks Information provided by Formosa Plastics Corporation, USA

Order this product through the following link:

http://www.lookpolymers.com/polymer_Formosa-Plastics-Formolene-L64220U-Rotational-Molding-LLDPE-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.942 g/cc	0.0340 lb/in ³	ASTM D1505
ESCR 100% Igepal®	>= 1000 hour	>= 1000 hour	Condition A, F₅₀; ASTM D1693
ESCR 10% Igepal®	500 hour	500 hour	Condition A, F₅₀; ASTM D1693
Melt Flow	2.0 g/10 min @Load 2.16 kg, Temperature 190 °C	2.0 g/10 min @Load 4.76 lb, Temperature 374 °F	Condition E; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	21.4 MPa	3100 psi	2" (50mm) per min; ASTM D638
Elongation at Yield	>= 11 %	>= 11 %	2" (50mm) per min; ASTM D638
Flexural Modulus	0.827 GPa	120 ksi	1.3mm per min; ASTM D790
Impact Test	81.3 J @Thickness 3.17 mm, Temperature -40.0 °C	60.0 ft-lb @Thickness 0.125 in, Temperature -40.0 °F	Low Temperature; ARM

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	62.0 °C	144 °F	ASTM D648

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