Alkatuff® LL711UV

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

Alkatuff LL711UV is a hexene LLDPE material specifically designed for rotational moulding applications that require excellent ESCR, chemical resistance, stiffness and toughness. Alkatuff LL711UV is UV stabilized to provide prolonged outdoor protection in Australian conditions. Application:

Alkatuff LL711UV is designed for chemical and water tanks and other applications where toughness, stiffness and UV protection is important. Specifications:

Alkatuff LL711UV complies with the base resin requirements of AS/NZS 4766 Polyethylene storage tanks for water and chemicals.

If this product is used for food contact applications, then the user needs to ensure compliance with the requirements of AS2070-1999 and relevant FDA regulations.

When used in accordance with FDA application guidelines, this product meets the requirements of FDA 21 CFG 177.1520 (c) 3.1a and AS2070-1999 section 4.1.1(a). This product contains UV light stabilizers and so end use restrictions as described in FDA 21 CFR 176.170 (c) table 2 conditions D to G apply. Volume and food type restrictions may apply. This product should not be used in applications for holding food during cooking without the required compliance testing. This information is only for the Major End Use described on this Product Data sheet. For further information, please contact your primary Qenos contact.

General Information			
Additive	UV Stabilizer		
Features	Food Contact Acceptable		
	Good Chemical Resistance		
	Good Stiffness		
	Good Toughness		
	Good UV Resistance		
	High ESCR (Stress Crack Resist.)		
Uses	Outdoor Applications		
	Tanks		
Agency Ratings	AS 2070-1999 4.1.1(a)		
	AS/NZS 4766		
	FDA 21 CFR 176.170(c), Table 2 2		
	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.938	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16			
kg)	3.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance	. 1000	h.	
	> 1000		ASTM D1693A
Mechanical	Nominal Value	Unit	lest Method
Tensile Strength ' (Yield)	19.5	MPa	ASTM D638
Flexural Modulus - 1% Secant	800	MPa	ASTM D790

Hydrostatic Design Basis ²	8.62	MPa	ASTM D2837
Thermal Stability	Pass		AS/NZS 4766
Drinking Water Contact	Pass		AS/NZS 4020
UV Protection	UV24		ASTM D2565
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	128	°C	ASTM D3418
NOTE			
1.	50 mm/min		
2.	A service factor must be applied in accordance with AS/NZS 4766.		

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

