

Alkatuff® LL755

Linear Low Density Polyethylene

Qenos Pty Ltd

Message:

Alkatuff LL755 is a hexene LLDPE material specifically designed for rotational moulding applications that require excellent ESCR, chemical resistance, stiffness and toughness. Alkatuff LL755 does not contain UV stabiliser.

Alkatuff LL755 is a general purpose rotational moulding grade, uses of which include water and agricultural tanks, leisure craft, canoes and playground equipment. For outdoor applications, an appropriate UV stabilisation package should be added.

General Information			
Features	Good Chemical Resistance		
	Good Stiffness		
	Good Toughness		
	Hexene Comonomer		
	High ESCR (Stress Crack Resist.)		
Uses	Agricultural Applications		
	Agricultural Tanks		
	Sporting Goods		
Agency Ratings	AS 2070-1999 4.1.1(a)		
	FDA 21 CFR 177.1520(c) 3.1		
Forms	Pellets		
Processing Method	Rotational Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.935	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	5.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (100% Igepal, F50)	> 1000	hr	ASTM D1693A
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield)	17.5	MPa	ASTM D638
Flexural Modulus - 1% Secant	700	MPa	ASTM D790
Hydrostatic Design Basis	6.89	MPa	ASTM D2837
Thermal Stability	Pass		AS/NZS 4766
Contact with Drinking Water	Pass		AS/NZS 4020
Thermal	Nominal Value	Unit	Test Method
Peak Melting Temperature	127	°C	ASTM D3418
NOTE			
1.	50 mm/min		

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Recommended distributors for this material

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