

DESCRIPTION

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.

APPLICATION

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. Alkatuff LL755 complies with the non UV base resin requirements of AS/NZS 4766 Polyethylene storage tanks for water and chemicals.

FOOD CONTACT / PRODUCT SAFETY

For food contact information please refer to the Regulatory Data Sheet at qenos.com. For product safety information please refer to the Safety Data Sheet at qenos.com.

Polymer Properties	Value ¹	Units	Test Method
Melt Index @ 190°C, 2.16 kg	5.0	g/10 min	ASTM D1238
Density	0.935	g/cm ³	ASTM D1505

Moulding Properties	Value ¹	Units	Test Method
Melting Point	127	°C	ASTM D3418
Thermal Stability	Pass	-	AS/NZS 4766
Tensile Strength at Yield ²	17.5	MPa	ASTM D638
Flexural Modulus (1% Secant) ³	700	MPa	ASTM D790B
ESCR F ₅₀ (Condition A, 100% Igepal)	>1000	hrs	ASTM D1693
Contact with Drinking Water	Pass	-	AS/NZS 4020
Hydrostatic Design Basis	6.89 ⁴	MPa	ASTM D2837

1. Typical values - not to be construed as specifications.
2. At 50 mm/min crosshead speed.
3. At 12.7 mm/min crosshead speed.
4. A service factor must be applied in accordance with AS/NZS 4766.

For up to date information, refer to qenos.com



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