

LLDPE

MATERIAL TECHNICAL DATA SHEET

Description

A hexene LLDPE material specifically designed for rotational moulding applications that require excellent ESCR, chemical resistance, stiffness and toughness. UV stabilised to provide prolonged outdoor protection in Australian conditions.

Application

A general purpose rotational moulding grade, uses of which include water and agricultural tanks, leisure craft, canoes and playground equipment. Complies with the base resin requirements of AS/NZS 4766 Polyethylene storage tanks for water and chemicals.

Safety

Material Safety Data Sheets are available.

Physical Properties (Typical)

Property	Test Method	Value	Units
Melt Index	ASTM D1238 @190°C, 2.16kg	5.0	g/10min
Density	ASTM D1505	0.935	g/cm ³
Melting Point	ASTM D3418	127	°C
Thermal Stability	AS/NZS 4766	Pass	-
Yield Tensile Strength	ASTM D638	17.5	MPa
Flexural Modulus (1% Secant)	ASTM D790B	700	MPa
ESCR F50 (Cond A, 100% Igepal)	ASTM D1693	>1000	Hours
Contact with Drinking Water	AS/NZS 4020	Pass	-
Hydrostatic Design Basis	ASTM D2837	6.89	MPa
UV Resistance	AS/NZS 4766	UV20	-

Typical properties not to be construed as specifications. Batch Certificates are available upon request.