

MDPE

MATERIAL TECHNICAL DATA SHEET

Description

A natural, high molecular weight MDPE copolymer, developed as a general purpose resin for use in pipe and wire & cable applications. Contains antioxidants to protect it during extrusion and end use.

Application

Designed for extrusion into a full range of pipe and wire & cable products where Medium Density resins are required. Not designed for use in pressure applications. Designed to be used as a base resin for striping and jacket compounds for use on pressure pipes. Suitability for use in any application should be determined by appropriate performance testing.

Specifications

Suitable for food contact applications and it conforms to the requirements of AS2070.

Safety

Material Safety Data Sheets are available.

Physical Properties (Typical)

Property	Test Method	Value	Units
Melt Index	ASTM D1238 @190°C, 5.0kg	0.6	g/10min
Melt Index	ASTM D1238 @190°C, 21.6kg	14	g/10min
Density	ASTM D1505	0.942	g/cm ³
Break Tensile Strength	ASTM D638	30.0	MPa
Yield Tensile Strength	ASTM D638	20.0	MPa
Elongation at Break	ASTM D638	900	%
Elastic Modulus	ASTM D638	800	MPa
Flexural Modulus	ASTM D790	500	MPa
ESCR F50 (10% Igepal CO630)	ASTM D1693B	>1000	Hours
Oxidative Induction Time (210C)	ISO/TR 10837	>20	Minutes
Durometer Hardness	ASTM 2240	60	Shore D

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