

PolyLink PL4632

- LMDPE
- Rotation Moulding Grade

Key Features

Melt Flow Index: 6.0 g/10 min

Density: 0.932 g/cm³

Typical applications

Mussel floats / buoys

Leisure products and playground equipment

Agricultural products and truck mudguards

Display stands

Product Description

PolyLink PL4632 is a Linear Medium Density Polyethylene which has a unique blend of properties, specifically designed as an easy to process resin. This grade is suitable for general purpose moulding of products requiring good flow and low distortion.

PL4632 contains a fully formulated UV stabilisation package.

PL4632 is available in its natural powder form and custom compounded colours.

Physical Characteristics¹

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	6.0	g/10min	ASTM D 1238
Density	0.932	g/cm ³	ASTM D 1505
ESCR F50 (100% IGEPAL)	-	h	-
ESCR F50 (10% IGEPAL)	>300	h	ASTM D 1693
Flexural Modulus	628	MPa	ASTM D 790
Tensile Modulus	450	MPa	ASTM D 638
Tensile at Yield (50mm/min)	15.2	MPa	ASTM D 638
Elongation at Break (50mm/min)	900	%	ASTM D 638
Hardness Shore D	62	Shore D	ASTM D 2240
ARM Impact Strength (3.2mm sample at -40°C) ²	75	J	ARM

¹ Data values shown are average values for the base resin and should not be used for specification limits.

² Impact strength varies with both part thickness and moulding conditions.

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