

PolyLink PL8435

- Ethylene Octene Copolymer
- Rotation Moulding Grade

Key Features

Melt Flow Index: 4.0 g/10 min

Density: 0.935 g/cm³

Excellent environmental stress crack resistance

Typical applications

Intermediate Bulk Containers

Chemical Drums

Boats, Freezer Containers, Fish Crates, Small Tanks

Product Description

PolyLink PL8435 polyethylene resin is an ethylene octane copolymer for rotational moulding and is specifically designed for applications requiring excellent environmental stress crack resistance and impact strength combined with low warpage and good processing.

PL8435 contains a fully formulated UV stabilisation package.

PL8435 is available in its natural powder form and custom compounded colours.

Physical Characteristics¹

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	4.0	g/10min	ASTM D 1238
Density	0.935	g/cm ³	ASTM D 1505
ESCR 50°C, 10% AntaroX	400	h	ASTM D 1693 ²
ESCR 50°C, 100% AntaroX	>1000	h	ASTM D 1693
Flexural Modulus	640	MPa	ISO 178
Tensile at Yield (rotomolded)	17	MPa	ISO 527-2 ²
Tensile at Break (rotomolded)	21.8	MPa	ISO 527-2 ²
Hardness Shore D	57	Shore D	ISO 868

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

² 3 to 4 mm plate thickness

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