



High Density Polyethylene Resin

Technical Data Sheet

Marlex® HXM TR- 571

This extra high molecular weight, hexene copolymer provides good balance of:

- Stiffness
- Melt strength
- Processability
- Chemical and stress-crack resistance

Typical applications include:

- Jerrycans
- Open top drums
- 220L L-ring drums

This resin meets these specifications:

- FDA Regulation 21 CFR 177.1520. Suitable for food packaging.

Nominal Physical Properties *	ASTM	Unit	Value
Density	D1505	g/cm ³	0.953
Melt Index, Condition 190°C/ 2.16 kg	D1238	g/10min	0.02
Condition 190°C/ 5.0 kg			0.14
Condition 190°C/ 21.6 kg			2.5
ESCR Condition B, F ₅₀ (100% Igepal)	D1693	h	300
Tensile Yield Strength, 50 mm/ min	D638	MPa	27
Elongation at Break, 50 mm/ min	D638	%	>600
Brittleness Temperature	D746	°C	<-75
Flexural Modulus, Tangent	D790	MPa	1,300
Shore D Hardness	D2240	-	63

*The nominal properties reported herein are typical of the product, but do not reflect normal testing variance and therefore should not be used for specification purposes. Values are rounded. The physical properties were determined on compression molded specimens that were prepared in accordance with Procedure C of ASTM D4703, Annex A1.

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