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Technical Data Sheet

• PPTENE™ RX1101



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Product Description

RX1101 is a Medium Density Polyethylene that is designed to provide excellent mechanical properties with high rigidity, toughness, gloss and very low warpage.

RX1101 is also UV stabilized.

RX1101 is available in its natural powder form and custom compounded colours.

RX1101

MDPE

Rotational Moulding Grade

Melt Flow Index: 3.5 g/10 min

Density: 0.939 g/cm³

Typical applications

Large Industrial and Agricultural
Tanks

Trash Containers

Chemical Shipping Drums

Physical Characteristics¹

Characteristics	Value	Unit	Test Method
Melt Flow Index (MFI)	3.5	g/10min	ASTM D 1238
Density	0.939	g/cm ³	ASTM D 1505
ESCR F50 (100% IGEPAL)	>150	h	ASTM D 1693B
ESCR F50 (10% IGEPAL)	-	h	-
Flexural Modulus	480	MPa	ASTM D 790
Tensile Modulus	-	MPa	ASTM D 638
Tensile at Yield (50mm/min)	18	MPa	ASTM D 638
Elongation at Break (50mm/min)	580	%	ASTM D 638
Hardness Shore D	69	-	ASTM D 2240
ARM Impact Strength (3.2mm sample at -40°C)	-	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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