

Linear Medium Density Polyethylene

MR-435UV

Description

MR-435 UV is a LMDPE Butene produced by Braskem. It shows great mouldability and stiffness with UV protection. Very low gel contents.

Additive

Anti UV High

Applications

Water tanks
Toys
Automotive components

Process

Rotational molding

Control Properties

	ASTM Method	Unit	Value
Melt Index (190°C/2.160kg)	D-1238	g/10 min	4.0
Density	D-1505 / D-792	g/cm ³	0.934

Properties

Plaque Properties ^b

	ASTM Method	Units	Values
Environmental Stress Cracking Resistance^c	D-1693	h/F50	40
Resistência ao Impacto IZOD	D-256	J/m	160

Plaque Properties ^a

	ASTM Method	Unit	Values
Tensile Strength at Break	D-638	MPa	27.9
Tensile Yield Strength	D-638	MPa	20,5
	D-638	%	>1000

Elongation at Break

Flexural Modulus	D-790	MPa	721
1% Secant Modulus	D-638	MPa	1781
Hardness	D-2240	Shore A	92
Hardness	D-2240	Shore D	53
Vicat Softening Temperature	D-1525	°C	115

(a) Compression molded plaques, ASTM D-1928 Method, Procedure C

Final Remarks

1. This resin meets the requirements for olefin polymers as defined in 21 CFR Section 177.1520 issued by FDA - "Food and Drug Administration". The additives content is in accordance to the FDA regulation. The resin can be used in food packaging applications.
2. The information contained here is presented in good faith and intend to indicate the performance of material based on laboratory tests. The values should not to be taken as accurate or as a performance warranty. Only the control property values should be seen as a warranty.
3. Product registered on No. Reg. CAS: 25087-34-7.
4. Contact our Technical Service Area to obtain detailed product specifications, to consult about other appropriate applications or to clarify any doubt.