

Braskem MR 435 UV LMDPE Rotational Molding Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , MDPE

Material Notes:

Applications: Water tanks; toys; automotive components. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-MR-435-UV-LMDPE-Rotational-Molding-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in ³	ASTM D1505
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 190 °C	4.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	92	92	ASTM D2240
Hardness, Shore D	53	53	ASTM D2240
Tensile Strength at Break	28.0 MPa	4060 psi	ASTM D638
Tensile Strength, Yield	21.0 MPa	3050 psi	ASTM D638
Elongation at Break	>= 1000 %	>= 1000 %	ASTM D638
Flexural Modulus	0.720 GPa	104 ksi	ASTM D790
Secant Modulus	1.80 GPa	261 ksi	1%; ASTM D638

Thermal Properties	Metric	English	Comments
Vicat Softening Point	115 °C	239 °F	ASTM D1525

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