



PHOENIX

LAND
INTERNATIONAL
TRADING

Technical Datasheet

- **Grade Name:** Modiran HDPE 5510
- **Categories:** Polymer, Thermoplastic, Polyethylene, High Density Polyethylene
- **Processing Methods:** Extrusion, Injection Molding, Rotational Molding
- **Applications:** standard jerry cans and light weight jerry cans.
- **Features:** high stiffness, good processability, very good ESCR.

Physical Properties			
Properties	Value	Unit	Test Method
MFI(190°C/21.6 Kg)	10	g/10min	ISO 1133
MFI(190°C/2.16 Kg)	0.075	g/10min	ISO 1133
Density	0.95	g/cm ³	ISO 1183
Bulk Density	> 0.50	g/cm ³	ISO 60
Mechanical Properties			
Properties	Value	Unit	Test Method
Tensile Modulus of Elasticity	1000	MPa	ISO 527-1,2
Flexural Modulus	1000	MPa	ASTM D790
Tensile Stress at Yield	27	MPa	ISO 527-1
Tensile Strain at Yield	8	%	ISO 527-1
Hardness	30	MPa	ASTM D638
Ball indentation Hardness	49	MPa	ISO 2039-1
ESCR F ₅₀ (100% Igepal, Method B)	110	hrs	ASTM D1693
Additive Antioxidant-Heat stabilizer			

Typical Properties: These values are not to be considered as product specifications.

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