

RELENE® E52009

High Density Polyethylene
Reliance Industries Limited

Message:

E52009 is a High Density Polyethylene (HDPE) grade with low gel content, excellent orientation characteristic and negligible water carry-over. This grade is recommended for making raffia tapes and monofilaments (Diameter >0.20 mm) with excellent balance of high tenacity and good elongation.

General Information	
Features	Food Contact Acceptable
	Low Gel
	Low Water Carryover
Uses	Monofilaments
	Tape
Agency Ratings	FDA 21 CFR 177.1520
	IS 10141-1982
	IS 10146-1982

Physical	Nominal Value	Unit	Test Method
Density	0.952	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.90	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Yield,40 µm, Blown Film	34.5	MPa	
TD : Yield,40 µm, Blown Film	37.5	MPa	
MD : Break, 40 µm,Blown Film	50.0	MPa	
TD : Break, 40 µm,Blown Film	45.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 40 µm,Blown Film	900	%	
TD : Break, 40 µm,Blown Film	950	%	
Dart Drop Impact (40 µm, Blown Film)	60	g	ASTM D1709A
Elmendorf Tear Strength			ASTM D1922
MD : 40 µm, Blown Film	24	g	
TD : 40 µm, Blown Film	68	g	

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

