

Laboratory Hemshell Services-Testing Division, 903/1, Makarpura G.I.D.C,
Makarpura, Vadodara, Gujarat

Accreditation Standard ISO/IEC 17025: 2005

Discipline Mechanical Testing **Issue Date** 24.10.2016

Certificate Number T-3155 **Valid Until** 23.10.2018

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S. No.	Product / Material of Test	Specific Test Performed	Test Method Specification against which tests are performed	Range of Testing / Limits of Detection
I. PLASTICS AND PLASTIC PRODUCTS				
1.	Plastics - Barrier Materials (Flat Films & Finished Packages)	Water Vapor Transmission Rate (WVTR)	ASTM F-1249: 2013	(0.005 g to 5700 g/m ²) /day, (0.0003 g to 368 g)/100 in ² /day,
2.	Plastics - Barrier Materials (Flat Films)	Water Vapor Transmission Rate (WVTR)	ASTM E 398: 2013	(0.1 g to 1000 g/m ²)/day, 0.006 to 65 g/100 in ² /day
3.	Plastics - Barrier Materials (Flat Films)	Oxygen Transmission Rate (OTR)	ASTM D 3985: 2005(2010)e1 ASTM F 1927: 2014	0.005 cc to 4500 cc/ (m ² -day), 0.0003 cc to 308 cc/ (100 in ² -day)
4.	Plastics - Barrier Materials (Finished Packages)	Oxygen Transmission Rate (OTR)	ASTM F 1307: 2014	0.00005 cc to 4.5 cc/ (pkg-day)

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