

Technical Data

Mechanical Properties

PROPERTY	UNIT	SPECIFICATIONS	MERINO VALUE	CLAUSE
Dimensional Stability at Elevated Temperature (Machine Direction)	Max %	0.30%	<0.16%	6.4.1 (Table - 3)
Dimensional Stability at Elevated Temperature (Cross Direction)	Max %	0.60%		6.4.1 (Table - 3)
Tensile Strength	Mpa	60 (min.)	>60	6.4.1 (Table - 3)
Flexural Strength	Mpa	80 (min)	>100	6.4.1 (Table - 3)
Flexural Modulus	Mpa	9000 (min.)	>10,000	6.4.1 (Table - 3)
Resistance to Crazing	Appearance (Grade not worse than)	4	4	6.4.1 (Table - 3)
Resistance to Water Vapour	Appearance (Grade not worse than)	3 (Gloss finish) 4 (Other finishes)	3,4	6.4.1 (Table - 3)
Resistance to Impact by Large Diameter Ball (at drop height of 1800 mm min.)	mm	Indentation diameter 10 (max.)	10	6.4.1 (Table - 3)
Resistance to scratching	Rating (min.) (see Annexure - A)			6.4.1 (Table - 3)
	Smooth finishes	2	2	
	Textured finishes	3	3	
Resistance to Surface wear (Initial Point)	Revolution (Min.)	150	150	6.4.1 (Table - 3)
Resistance to Surface wear (Wear Value)	Revolution (Min.)	350	> 400	6.4.1 (Table - 3)