भारतीय मानक ब्यूरो /BUREAU OF INDIAN STANDARDS
(पूर्वी क्षेत्रीय प्रयोगशाला)/Eastern Regional Laboratory

हमारा संदर्भ/Our Ref: ERL/Mech/IS 12235(Part 19):2004 DATE:-13.11.2024

विषय / Subject: Comment on deflection speeds under Cl 2.1, Table 1.

इस संबंध में प्रस्तावित बदलाव(ओं) पर विचार करने के लिए एफ.ए.डी द्वारा निम्नलिखित टिप्पणियों पर ध्यान दिया जाए:

<table>
<tr><th>Sl. No</th><th>IS</th><th>Standard</th><th>प्रस्तावित बदलाव/ Proposed change</th><th>वजह/Justification</th></tr>
<tr><td>1</td><td>IS 12235(Part 19):2004</td><td>Thermoplastics Pipes and Fittings — Method of tests</td><td>Table 1 to be deleted.

Table 1 Deflection Speeds
<table><tr><th>Sl no</th><th>Nominal dia,d_n ,mm</th><th>Deflection Speed, mm/min</th></tr><tr><td>i</td><td>$d_n \leq 100$</td><td>2±0.4</td></tr><tr><td>ii</td><td>$100 < d_n \leq 200$</td><td>5±1</td></tr><tr><td>iii</td><td>$200 < d_n \leq 400$</td><td>10±2</td></tr><tr><td>iv</td><td>$400 < d_n \leq 1000$</td><td>20±2</td></tr><tr><td>v</td><td>$d_n > 1000$</td><td>50±5</td></tr></table></td><td>Cl 3.2 of IS 12235(Part 19):2004, mentions the procedure for flattening test. Cl 3.2 states that “The rate of loading shall be uniform and such that the compression is completed within 2 to 5 min”.
However with the given deflection speed under Table1,the compression can not be completed within 2 to 5 min. For instance a sample of dn=100 mm to be compressed to 40 mm dia,(total compression 60 mm).As per deflection speed given in Table 1, 60 mm compression would require 30 min approx. Which is contradictory to cl.3.2 where compression is to be completed within 2-5 min (deflection speed will be 30-12 mm/min).Hence it is proposed that the deflection speed mentioned under Table 1 may be deleted.</td></tr>
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13.11.24

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