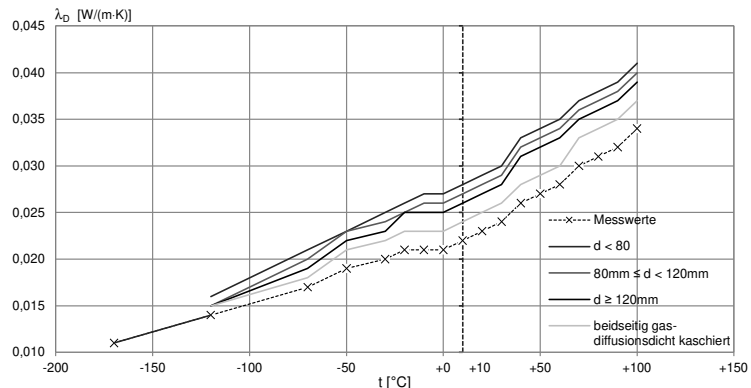


30132.CPR.2020.10

| 1. | Eindeutiger Kenncode des Produkttyps | puren-PIR NE 50 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-----------------------------|--|---|---|-----------------------------|---------------|---------------|-------------------------------|---------------|-----------------------------|--|-----------------------------|---|-----------------------------|---------------|---------------------------------|------------|------|----|------|----|------|----|------|----|------|----|------|----|------|----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|------|-----|-------|-----|-------|-----|-------|-----|
| 2. | Verwendungszweck | Wärmedämmstoff für die technische Gebäudeausrüstung und für betriebstechnische Anlagen in der Industrie | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3. | Hersteller | puren gmbh Rengoldshauer Straße 4 - DE-88662 Überlingen - Deutschland t +49 7551 80990 - f +49 7551 809920 - www.puren.com | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5. | System(e) zur Bewertung und Überprüfung der Leistungsbeständigkeit | System 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6. | Harmonisierte Norm Notifizierte Stelle(n) | EN 14308:2015 0751 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7. | Wesentliche Merkmale | erklärte Leistung | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Brandverhalten | E | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wärmedurchlasswiderstand | Tabelle 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wärmedurchlasswiderstand | <table border="1"> <thead> <tr> <th colspan="2">bei Nenndicke</th> <th colspan="2">bei Nenndicke</th> <th colspan="2">bei Nenndicke</th> </tr> <tr> <th>R_D [m²·K/W]</th> <th>d_N [mm]</th> <th>R_D [m²·K/W]</th> <th>d_N [mm]</th> <th>R_D [m²·K/W]</th> <th>d_N [mm]</th> </tr> </thead> <tbody> <tr> <td>0,70</td> <td>20</td> <td>1,05</td> <td>30</td> <td>1,40</td> <td>40</td> </tr> <tr> <td>1,75</td> <td>50</td> <td>2,10</td> <td>60</td> <td>2,50</td> <td>70</td> </tr> <tr> <td>2,95</td> <td>80</td> <td>3,70</td> <td>100</td> <td>4,60</td> <td>120</td> </tr> <tr> <td>5,35</td> <td>140</td> <td>6,15</td> <td>160</td> <td>6,90</td> <td>180</td> </tr> <tr> <td>7,65</td> <td>200</td> <td>8,45</td> <td>220</td> <td>9,20</td> <td>240</td> </tr> <tr> <td>10,00</td> <td>260</td> <td>10,75</td> <td>280</td> <td>11,50</td> <td>300</td> </tr> </tbody> </table> | | | bei Nenndicke | | bei Nenndicke | | bei Nenndicke | | R_D [m ² ·K/W] | d_N [mm] | R_D [m ² ·K/W] | d_N [mm] | R_D [m ² ·K/W] | d_N [mm] | 0,70 | 20 | 1,05 | 30 | 1,40 | 40 | 1,75 | 50 | 2,10 | 60 | 2,50 | 70 | 2,95 | 80 | 3,70 | 100 | 4,60 | 120 | 5,35 | 140 | 6,15 | 160 | 6,90 | 180 | 7,65 | 200 | 8,45 | 220 | 9,20 | 240 | 10,00 | 260 | 10,75 | 280 | 11,50 | 300 |
| bei Nenndicke | | bei Nenndicke | | bei Nenndicke | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| R_D [m ² ·K/W] | d_N [mm] | R_D [m ² ·K/W] | d_N [mm] | R_D [m ² ·K/W] | d_N [mm] | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0,70 | 20 | 1,05 | 30 | 1,40 | 40 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1,75 | 50 | 2,10 | 60 | 2,50 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2,95 | 80 | 3,70 | 100 | 4,60 | 120 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5,35 | 140 | 6,15 | 160 | 6,90 | 180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7,65 | 200 | 8,45 | 220 | 9,20 | 240 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10,00 | 260 | 10,75 | 280 | 11,50 | 300 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wärmeleitfähigkeit | <p>Für andere Dicken : Berechnung mit $R_D = d_N / \lambda_D$</p> <table border="1"> <thead> <tr> <th></th> <th>bei Nenndicke</th> <th>bei Anwendungstemperatur 10°C</th> </tr> </thead> <tbody> <tr> <td>$\lambda_D =$</td> <td>0,028 W/(m·K) $d_N < 80$ mm</td> <td></td> </tr> <tr> <td>$\lambda_D =$</td> <td>0,027 W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm</td> <td></td> </tr> <tr> <td>$\lambda_D =$</td> <td>0,026 W/(m·K) $d_N \geq 120$ mm</td> <td></td> </tr> </tbody> </table> | | | | bei Nenndicke | bei Anwendungstemperatur 10°C | $\lambda_D =$ | 0,028 W/(m·K) $d_N < 80$ mm | | $\lambda_D =$ | 0,027 W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm | | $\lambda_D =$ | 0,026 W/(m·K) $d_N \geq 120$ mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | bei Nenndicke | bei Anwendungstemperatur 10°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\lambda_D =$ | 0,028 W/(m·K) $d_N < 80$ mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\lambda_D =$ | 0,027 W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\lambda_D =$ | 0,026 W/(m·K) $d_N \geq 120$ mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | bei Anwendungstemperatur | <p>im Anwendungstemperaturbereich -170 °C bis +50 °C</p>  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wasserdurchlässigkeit | kurzzeitige Wasseraufnahme | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | langzeitige Wasseraufnahme | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Wasserdampfdurchlässigkeit | Wasserdampfdiffusionswiderstandszahl | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Druckfestigkeit | Druckfestigkeit | CS(10\Y)250 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Abgabe korrosiver Stoffe | Geringe Mengen von wasserlöslichen Ionen | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Freisetzung gefährlicher Stoffe, Abgabe in das Gebäudeinnere | | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dauerhaftigkeit des Brandverhaltens unter Einfluss von Wärme, Witterung, Alterung / Abbau | | Keine Änderung des Brandverhaltens bei Produkten aus Polyurethan-Hartschaum/Polyisocyanurat-Hartschaum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dauerhaftigkeit des Wärmedurchlasswiderstandes unter Einfluss von Wärme, Witterung, Alterung / Abbau | Wärmeleitfähigkeit | <table border="1"> <thead> <tr> <th></th> <th>bei Nenndicke</th> <th>bei Anwendungstemperatur 10°C</th> </tr> </thead> <tbody> <tr> <td>$\lambda_D =$</td> <td>0,028 W/(m·K) $d_N < 80$ mm</td> <td></td> </tr> <tr> <td>$\lambda_D =$</td> <td>0,027 W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm</td> <td></td> </tr> <tr> <td>$\lambda_D =$</td> <td>0,026 W/(m·K) $d_N \geq 120$ mm</td> <td></td> </tr> </tbody> </table> | | | bei Nenndicke | bei Anwendungstemperatur 10°C | $\lambda_D =$ | 0,028 W/(m·K) $d_N < 80$ mm | | $\lambda_D =$ | 0,027 W/(m·K) $80 \text{ mm} \leq d_N < 120$ mm | | $\lambda_D =$ | 0,026 W/(m·K) $d_N \geq 120$ mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | bei Nenndicke | bei Anwendungstemperatur 10°C | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| $\lambda_D =$ | 0,028 W/(m·K) $d_N < 80$ mm | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | Dimensionsstabilität unter definierten Temperatur- und Feuchtebedingungen | DS(TH)3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | obere Anwendungsgrenztemperatur | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | untere Anwendungsgrenztemperatur | NPD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | Dauerhaftigkeit des Brandverhaltens unter Einfluss von hohen Temperaturen | | Keine Änderung des Brandverhaltens bei Produkten aus Polyurethan-Hartschaum/Polyisocyanurat-Hartschaum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

NPD: No Performance Determined / keine Leistung erklärt

Die Leistung des vorstehenden Produktes entspricht der erklärten Leistung / den erklärten Leistungen. Verantwortlich für diese Leistungserklärung im Einklang mit Anhang III der Verordnung (EU) Nr. 305/2011 ist allein der obengenannte Hersteller.

30132.CPR.2020.10

Unterzeichnet für den Hersteller und im Namen des Herstellers durch

Dr. Andreas Huther
Geschäftsführer
Überlingen, 01.10.2020

