

# PORON Medical® & Footwear Grade Urethanes

A diverse range of high performance foams in which each grade is engineered with distinct properties, enabling the orthotist to meet specific patient needs.



PORON Medical® Urethanes are recognised for their excellent energy absorption and resistance to bottoming out. Their outstanding performance is delivered by unique microscopic open cell structure and uniformity of cells. With highly developed, patented formulations and production methods, the PORON® urethane products offer distinct levels of firmness or resilience, energy absorption, rate of return to original thickness, tensile & tear strength, elongation and water vapour transfer.



**Softest** → **Firmest**

	MSRVS	MSRS	MS	MS	MS	MF	MSRF	MSRVF
	<p><b>Medical Slow Recovery 'Diab' Very Soft</b></p> <p>The softest of the Slow Recovery PORON Medical® Urethanes (<b>26</b>).</p> <p>Gentle total contact custom contouring to reduce plantar pressure with constant return to original thickness.</p> <ul style="list-style-type: none"> <li>Good elongation</li> <li>Low tensile strength</li> <li>Excellent water vapour transfer</li> </ul> <p><b>Application</b> Diabetic, insensate foot, arthritic, neuropathic.</p>	<p><b>Medical Slow Recovery 'Diab' Soft</b></p> <p>Soft Slow Recovery PORON Medical® Urethanes (<b>53</b>).</p> <p>Gentle total contact custom contouring to reduce plantar pressure with constant return to original thickness.</p> <ul style="list-style-type: none"> <li>Good elongation</li> <li>Better tensile strength</li> <li>Excellent water vapour transfer</li> </ul> <p><b>Application</b> Diabetic, insensate foot, arthritic, neuropathic.</p>	<p><b>Medical Soft Cushioning</b></p> <p>Soft cushioning PORON Medical® Urethanes (<b>52</b>).</p> <p>Softer cushioning grade with normal rate of return.</p> <ul style="list-style-type: none"> <li>Lower elongation than MSRVS &amp; MSRS</li> <li>Same tensile strength as MSRS</li> <li>Lower water vapour transfer than MSRVS &amp; MSRS</li> </ul> <p><b>Application</b> Softer cushioning for top covers, braces, supports.</p>	<p><b>Medical Soft Supporting Classic</b></p> <p>The standard cushioning PORON Medical® grade (<b>60</b>).</p> <p>Most widely used as the classic orthotic cover that won't bottom out &amp; provides excellent shock absorption.</p> <ul style="list-style-type: none"> <li>Lower elongation than MSRVS &amp; MSRS</li> <li>Better tensile strength than MSRVS &amp; MSRS</li> <li>Lower water vapour transfer than MSRVS &amp; MSRS</li> </ul> <p><b>Application</b> Cushioning for majority of patient orthotic needs.</p>		<p><b>Medical Firm Active</b></p> <p>Firmer grade with better tear strength (<b>66</b>).</p> <ul style="list-style-type: none"> <li>Lower elongation than MSRVS &amp; MSRS</li> <li>Higher tensile strength</li> <li>High tear strength</li> <li>Lower water vapour transfer than MSRVS &amp; MSRS</li> </ul> <p><b>Application</b> For high impact use, heavier patients, sport, more active use.</p>	<p><b>Medical Slow Recovery 'Diab' Firm</b></p> <p>Firm PORON Medical® Urethane with controlled return (<b>73</b>).</p> <ul style="list-style-type: none"> <li>High tensile strength</li> <li>Good tear strength</li> <li>High water vapour transfer</li> <li>Lower elongation than slow recovery soft &amp; very soft grades</li> </ul> <p><b>Application</b> Diabetic &amp; arthritic; for more rugged &amp; supportive contouring.</p>	<p><b>Medical Slow Recovery 'Diab' Very Firm</b></p> <p>The firmest of the Slow Recovery PORON Medical® Urethanes (<b>82</b>).</p> <ul style="list-style-type: none"> <li>Highest tensile strength</li> <li>Highest tear strength</li> <li>High water vapour transfer</li> <li>Lower elongation than slow recovery soft &amp; very soft grades</li> </ul> <p><b>Application</b> Heavier &amp; more active patients; contouring with extra stability.</p>
		PORON® Slow Rebound	PORON® Supersoft	PORON® Dual Layer	PORON® Performance			
	<b>CUSTOM CONTOURING</b> PORON MEDICAL® DIAB		<b>SOFT CUSHIONING</b>			<b>ENERGY ABSORBING</b>	<b>FIT ACCOMODATING</b> PORON MEDICAL® DIAB	

Medical

Footwear