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## SD-STANDARD-100B™

### Product Characteristics

#### Product Description

SD-Standard-100B™ family of polypropylene based compounds covers broad range of applications, markets and performance requirements. Standard grades are compounded with calcium carbonate. Custom grades are available with features such as high impact, heat stabilizers and UV stabilizers.

#### General Information

Features	<ul style="list-style-type: none"> <li>Alloy</li> <li>General Purpose</li> </ul>
Applications	<ul style="list-style-type: none"> <li>Asphalt modification</li> <li>Construction</li> <li>Industrial</li> <li>Consumer goods</li> <li>Automotive</li> </ul>
Processing Method	<ul style="list-style-type: none"> <li>Injection Molding</li> <li>Extrusion</li> </ul>
Filler	<ul style="list-style-type: none"> <li>6% - 11 % Filler by Weight</li> </ul>
Form	<ul style="list-style-type: none"> <li>Pellets</li> </ul>
Appearance	<ul style="list-style-type: none"> <li>Black, Gray</li> </ul>

### Technical Information

Physical Properties	Measured Value	Standards
Specific Gravity	<ul style="list-style-type: none"> <li>1.12</li> </ul>	<ul style="list-style-type: none"> <li>ASTM D792</li> </ul>
Specific Volume	<ul style="list-style-type: none"> <li>0.89 cm<sup>3</sup>/gr</li> </ul>	<ul style="list-style-type: none"> <li>ASTM D792</li> </ul>
Melt Index (230°C/2.16kg)	<ul style="list-style-type: none"> <li>5.0 – 8.0 g/10min.</li> </ul>	<ul style="list-style-type: none"> <li>ASTM D1238</li> </ul>

Mechanical Properties	Measured Value	Standards
Tensile Stress, at break	<ul style="list-style-type: none"> <li>35 MPa</li> </ul>	<ul style="list-style-type: none"> <li>ASTM D638</li> </ul>
Tensile Stress, at yield	<ul style="list-style-type: none"> <li>18.6 MPa</li> </ul>	<ul style="list-style-type: none"> <li>ASTM D638</li> </ul>
Tensile Strain, at break	<ul style="list-style-type: none"> <li>110%</li> </ul>	<ul style="list-style-type: none"> <li>ASTM D638</li> </ul>
Notched Izod Impact	<ul style="list-style-type: none"> <li>1.1 ft.lbs/in.</li> </ul>	<ul style="list-style-type: none"> <li>ASTM D256</li> </ul>
Hardness (Shore D)	<ul style="list-style-type: none"> <li>65</li> </ul>	<ul style="list-style-type: none"> <li>ASTM D2240</li> </ul>

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