Solar Gard® HP Charcoal is a high performance window film made from time-tested hybrid manufacturing technology, producing optimum heat and glare rejection. HP Charcoal offers superior optical clarity and its popular charcoal hue complements most factory glass.

**Fast Facts:**
- High performance, metal hybrid
- Optical clarity for unaltered vision
- Excellent solar heat and glare rejection
- Ultimate UV protection
- 285+ sun protection factor (SPF)
- Scratch-resistant coating extends “new” look

**Warranty:**
- Limited lifetime transferable
- Replacement product and labor
- National dealer network

See actual warranty certificate for details and coverage activation.
### Definitions

- **Visible Light Transmittance** is the percent of visible light transmitted through glass with film.
- **Visible Light Reflectance (exterior)** is the percent of visible light reflected by glass with film.
- **Total Solar Energy Rejected** is the percent of total solar energy (heat) rejected by glass with film.
- **Glare Reduction** is the percent of glare blocked by adding film to glass.
- **Ultraviolet Rejected** is the percent of ultraviolet light (UVA/UVB) rejected by glass with film.
- **Sun Protection Factor (SPF)** helps calculate extended time of protection before skin begins to burn. To estimate, multiply SPF by the minutes it takes your skin to turn red. Although skin and sun strength will vary, skin with unprotected exposure typically burns in 20 minutes.
- **Hybrid window films** are constructed with metal and colored film.
- **Performance results** are based on 1/8” (3mm) clear glass using Window 5.2 and NFRC methodology.

### Performance Results:

<table>
<thead>
<tr>
<th>Dealer</th>
<th>Visible Light Transmittance</th>
<th>Visible Light Reflectance</th>
<th>Total Solar Energy Rejected</th>
<th>Glare Reduction</th>
<th>Ultraviolet Rejected</th>
<th>Sun Protection Factor</th>
</tr>
</thead>
<tbody>
<tr>
<td>HP Charcoal 50</td>
<td>50</td>
<td>11</td>
<td>40</td>
<td>44</td>
<td>&gt;98</td>
<td>285+</td>
</tr>
<tr>
<td>HP Charcoal 43</td>
<td>43</td>
<td>14</td>
<td>50</td>
<td>52</td>
<td>&gt;98</td>
<td>285+</td>
</tr>
<tr>
<td>HP Charcoal 38</td>
<td>36</td>
<td>12</td>
<td>53</td>
<td>60</td>
<td>&gt;98</td>
<td>285+</td>
</tr>
<tr>
<td>HP Charcoal 32</td>
<td>32</td>
<td>10</td>
<td>53</td>
<td>64</td>
<td>&gt;98</td>
<td>285+</td>
</tr>
<tr>
<td>HP Charcoal 22</td>
<td>22</td>
<td>7</td>
<td>55</td>
<td>76</td>
<td>&gt;98</td>
<td>285+</td>
</tr>
<tr>
<td>HP Charcoal 13</td>
<td>13</td>
<td>5</td>
<td>57</td>
<td>86</td>
<td>&gt;98</td>
<td>285+</td>
</tr>
<tr>
<td>HP Charcoal 6</td>
<td>6</td>
<td>4</td>
<td>58</td>
<td>93</td>
<td>&gt;98</td>
<td>285+</td>
</tr>
</tbody>
</table>

www.solargard.com/us

Saint-Gobain Performance Plastics
4540 Viewridge Avenue
San Diego, CA 92123
Tel: 877.723.4364
E-mail: info@solargard.com

SK0168HPCH 06/14
© Copyright 2014, Saint-Gobain Performance Plastics Corporation and/or its affiliates
All Rights Reserved • www.solargard.com