



# GLOBAL WINDOW FILMS

*Driven by Quality!*

## Automotive Solar Performance Specifications

### IR - Solar Performance Specifications

|       | Solar Energy |    |   | Visible Light |    |     |     | UVR | SC  | SHR | TSER | GR | E   | NIRB | U-Value |
|-------|--------------|----|---|---------------|----|-----|-----|-----|-----|-----|------|----|-----|------|---------|
|       | T            | A  | R | T             | A  | R   |     |     |     |     |      |    |     |      |         |
|       |              |    |   |               |    | Int | Ext |     |     |     |      |    |     |      |         |
| IR 80 | 57           | 38 | 5 | 77            | 16 | 7   | 7   | 99  | .79 | 21  | 32   | 15 | .90 | 62%  | 1.13    |
| IR 70 | 46           | 49 | 5 | 69            | 24 | 7   | 7   | 99  | .70 | 30  | 40   | 24 | .89 | 82%  | 1.13    |
| IR 50 | 33           | 62 | 5 | 52            | 41 | 6   | 7   | 99  | .59 | 41  | 49   | 43 | .88 | 88%  | 1.12    |
| IR 40 | 25           | 68 | 7 | 41            | 51 | 9   | 8   | 99  | .52 | 48  | 55   | 55 | .84 | 94%  | 1.10    |

### HP FUSION - Solar Performance Specifications

|              | Solar Energy |    |    | Visible Light |    |     |     | UVR | SC  | SHR | TSER | GR | E   | NIRB | U-Value |
|--------------|--------------|----|----|---------------|----|-----|-----|-----|-----|-----|------|----|-----|------|---------|
|              | T            | A  | R  | T             | A  | R   |     |     |     |     |      |    |     |      |         |
|              |              |    |    |               |    | Int | Ext |     |     |     |      |    |     |      |         |
| HP Fusion 50 | 45           | 44 | 11 | 55            | 35 | 9   | 10  | 99  | .67 | 33  | 43   | 39 | .84 |      | 1.11    |
| HP Fusion 35 | 27           | 55 | 18 | 36            | 49 | 11  | 15  | 99  | .50 | 50  | 57   | 60 | .86 |      | 1.12    |
| HP Fusion 20 | 14           | 72 | 14 | 21            | 66 | 14  | 13  | 99  | .40 | 60  | 65   | 77 | .81 |      | 1.10    |

### HP CHARCOAL - Solar Performance Specifications

|                | Solar Energy |    |    | Visible Light |    |     |     | UVR | SC  | SHR | TSER | GR | E   | NIRB | U-Value |
|----------------|--------------|----|----|---------------|----|-----|-----|-----|-----|-----|------|----|-----|------|---------|
|                | T            | A  | R  | T             | A  | R   |     |     |     |     |      |    |     |      |         |
|                |              |    |    |               |    | Int | Ext |     |     |     |      |    |     |      |         |
| HP Charcoal 50 | 54           | 39 | 7  | 54            | 39 | 7   | 7   | 99  | .75 | 25  | 36   | 40 | .87 |      | 1.13    |
| HP Charcoal 45 | 48           | 44 | 8  | 44            | 49 | 7   | 7   | 99  | .70 | 30  | 39   | 52 | .85 |      | 1.12    |
| HP Charcoal 40 | 45           | 48 | 7  | 39            | 55 | 7   | 6   | 99  | .68 | 32  | 41   | 57 | .85 |      | 1.12    |
| HP Charcoal 30 | 43           | 51 | 6  | 28            | 68 | 5   | 4   | 99  | .67 | 33  | 42   | 70 | .88 |      | 1.13    |
| HP Charcoal 20 | 32           | 59 | 9  | 20            | 75 | 9   | 5   | 99  | .56 | 44  | 51   | 78 | .79 |      | 1.09    |
| HP Charcoal 10 | 29           | 63 | 8  | 10            | 86 | 8   | 4   | 99  | .54 | 46  | 53   | 89 | .81 |      | 1.10    |
| HP Charcoal 5  | 21           | 68 | 12 | 5             | 90 | 5   | 5   | 99  | .46 | 54  | 61   | 94 | .73 |      | 1.06    |

### NR QUICK DRY PLUS - Solar Performance Specifications

|                    | Solar Energy |    |   | Visible Light |    |     |     | UVR | SC  | SHR | TSER | GR | E   | NIRB | U-Value |
|--------------------|--------------|----|---|---------------|----|-----|-----|-----|-----|-----|------|----|-----|------|---------|
|                    | T            | A  | R | T             | A  | R   |     |     |     |     |      |    |     |      |         |
|                    |              |    |   |               |    | Int | Ext |     |     |     |      |    |     |      |         |
| NR Charcoal QDP 50 | 60           | 35 | 5 | 48            | 48 | 4   | 4   | 99  | .81 | 19  | 30   | 47 | .89 |      | 1.12    |
| NR Charcoal QDP 40 | 56           | 39 | 5 | 39            | 57 | 4   | 4   | 99  | .76 | 24  | 33   | 57 | .89 |      | 1.12    |
| NR Charcoal QDP 30 | 54           | 40 | 6 | 30            | 66 | 4   | 4   | 99  | .76 | 24  | 35   | 67 | .89 |      | 1.14    |
| NR Charcoal QDP 20 | 48           | 47 | 5 | 19            | 78 | 4   | 3   | 99  | .71 | 29  | 39   | 79 | .89 |      | 1.12    |
| NR Charcoal QDP 5  | 41           | 54 | 5 | 4             | 93 | 4   | 3   | 99  | .66 | 34  | 43   | 96 | .89 |      | 1.12    |



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## Automotive Construction and Availability Specifications

### IR - Construction and Availability

|       | 100' Rolls | Adhesive | SRC | Mil | Ply |
|-------|------------|----------|-----|-----|-----|
| IR 80 | 60"        | PS       | Yes | 1.5 | 2   |
| IR 70 | 60"        | PS       | Yes | 1.5 | 2   |
| IR 50 | 60"        | PS       | Yes | 1.5 | 2   |
| IR 40 | 60"        | PS       | Yes | 1.5 | 2   |

### HP FUSION - Construction and Availability

|              | 110' Rolls  | Adhesive | SRC | Mil | Ply |
|--------------|-------------|----------|-----|-----|-----|
| HP Fusion 50 | 20" 40" 60" | PS       | Yes | 1.5 | 2   |
| HP Fusion 35 | 20" 40" 60" | PS       | Yes | 1.5 | 3   |
| HP Fusion 20 | 20" 40" 60" | PS       | Yes | 1.5 | 3   |

### HP CHARCOAL - Construction and Availability

|                | 110' Rolls  | Adhesive | SRC | Mil | Ply |
|----------------|-------------|----------|-----|-----|-----|
| HP Charcoal 50 | 20" 40" 60" | PS       | Yes | 1.5 | 2   |
| HP Charcoal 45 | 20" 40" 60" | PS       | Yes | 1.5 | 2   |
| HP Charcoal 40 | 20" 40" 60" | PS       | Yes | 1.5 | 2   |
| HP Charcoal 30 | 20" 40" 60" | PS       | Yes | 1.5 | 2   |
| HP Charcoal 20 | 20" 40" 60" | PS       | Yes | 1.5 | 2   |
| HP Charcoal 10 | 20" 40" 60" | PS       | Yes | 1.5 | 2   |
| HP Charcoal 5  | 20" 40" 60" | PS       | Yes | 1.5 | 2   |

### NR QUICK DRY PLUS - Construction and Availability

|                    | 110' Rolls  | Adhesive | SRC | Mil | Ply |
|--------------------|-------------|----------|-----|-----|-----|
| NR Charcoal QDP 50 | 20" 40" 60" | PS       | Yes | 1.2 | 2   |
| NR Charcoal QDP 40 | 20" 40" 60" | PS       | Yes | 1.2 | 2   |
| NR Charcoal QDP 30 | 20" 40" 60" | PS       | Yes | 1.2 | 2   |
| NR Charcoal QDP 20 | 20" 40" 60" | PS       | Yes | 1.2 | 2   |
| NR Charcoal QDP 5  | 20" 40" 60" | PS       | Yes | 1.2 | 2   |