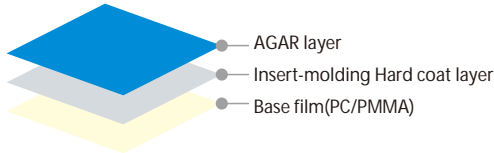


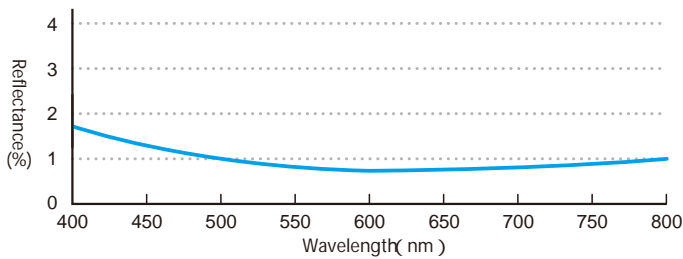
Functional Films for Automotive Display & Touch Sensor Panel

For the 3D Insert-molding
 Anti-fingermark AGAR film
PureFace® Z1010-200

Structure

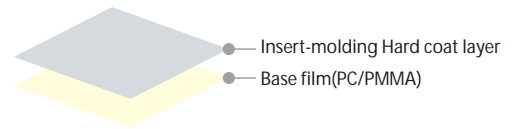


Type	AG												
Base film	PC/PMMA 200 μ m												
Features	<ul style="list-style-type: none"> • For 3D Insert-molding • Easy to wipe fingermark off 												
Properties	<table border="0"> <tr> <td>Photopic reflectance</td> <td>1.3%</td> </tr> <tr> <td>Total transmittance</td> <td>93.0%</td> </tr> <tr> <td>Haze</td> <td>8.5%</td> </tr> <tr> <td>Gloss(60 °)</td> <td>27%</td> </tr> <tr> <td>Scratch resistance</td> <td>100gf×10strokes</td> </tr> <tr> <td>Surface hardness (JIS K5600-750gf)</td> <td>3H</td> </tr> </table>	Photopic reflectance	1.3%	Total transmittance	93.0%	Haze	8.5%	Gloss(60 °)	27%	Scratch resistance	100gf×10strokes	Surface hardness (JIS K5600-750gf)	3H
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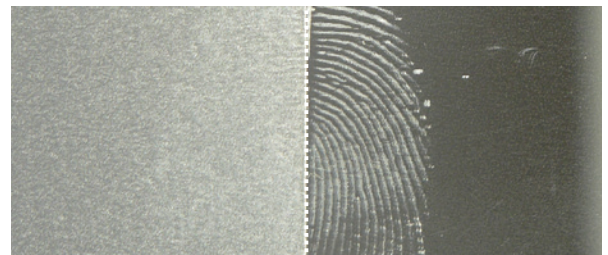


For the 3D Insert-molding
 Anti-fingermark AG film
ClearTouch® Z5000-200

Structure



Type	AG								
Base film	PC/PMMA 200 μ m								
Features	<ul style="list-style-type: none"> • For 3D Insert-molding • Prevent fingermark from standing out 								
Properties	<table border="0"> <tr> <td>Total transmittance</td> <td>90.9%</td> </tr> <tr> <td>Haze</td> <td>1.0%</td> </tr> <tr> <td>Scratch resistance</td> <td>100gf×10strokes</td> </tr> <tr> <td>Surface hardness (JIS K5600-750gf)</td> <td>2H</td> </tr> </table>	Total transmittance	90.9%	Haze	1.0%	Scratch resistance	100gf×10strokes	Surface hardness (JIS K5600-750gf)	2H
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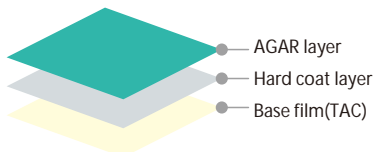


ClearTouch®

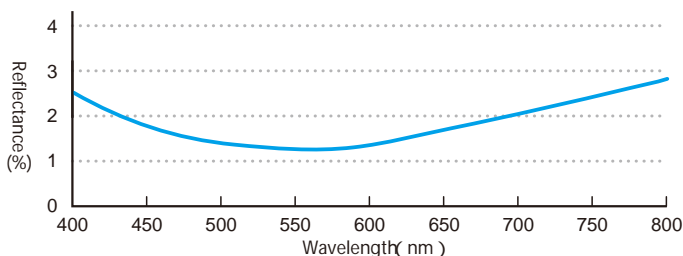
Glass

For the TSP
 Anti-fingermark AGAR film
PureFace® X5000

Structure

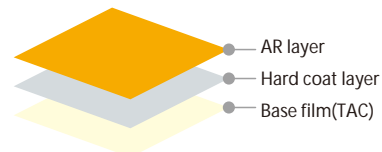


Type	AG												
Base film	TAC 80 μ m												
Features	<ul style="list-style-type: none"> • Suitable for High-definition display • Easy to wipe fingermark off 												
Properties	<table border="0"> <tr> <td>Photopic reflectance</td> <td>1.3%</td> </tr> <tr> <td>Total transmittance</td> <td>93.1%</td> </tr> <tr> <td>Haze</td> <td>7.0%</td> </tr> <tr> <td>Gloss(60 °)</td> <td>59%</td> </tr> <tr> <td>Scratch resistance</td> <td>250gf×10strokes</td> </tr> <tr> <td>Surface hardness (JIS K5600-750gf)</td> <td>3H</td> </tr> </table>	Photopic reflectance	1.3%	Total transmittance	93.1%	Haze	7.0%	Gloss(60 °)	59%	Scratch resistance	250gf×10strokes	Surface hardness (JIS K5600-750gf)	3H
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Gloss(60 °)	59%												
Scratch resistance	250gf×10strokes												
Surface hardness (JIS K5600-750gf)	3H												



For the TSP
 Ultra-low reflection AR film
AirLike® X1100

Structure



Type	Clear										
Base film	TAC 80 μ m										
Features	<ul style="list-style-type: none"> • Ultra-low Reflection • Increase in Transmittance • Neutral reflectance color 										
Properties	<table border="0"> <tr> <td>Photopic reflectance</td> <td>0.1%</td> </tr> <tr> <td>Total transmittance</td> <td>94.9%</td> </tr> <tr> <td>Haze</td> <td>0.2%</td> </tr> <tr> <td>Scratch resistance</td> <td>250gf×10strokes</td> </tr> <tr> <td>Surface hardness (JIS K5600-750gf)</td> <td>3H</td> </tr> </table>	Photopic reflectance	0.1%	Total transmittance	94.9%	Haze	0.2%	Scratch resistance	250gf×10strokes	Surface hardness (JIS K5600-750gf)	3H
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