



## Phenyl Modified Fluids

### Overview

Andisil® Phenyl Modified Fluids for personal care are known for their high refractive index and can be used in systems that require siloxane-organic solubilizing agents. For hair care, the high refractive index imparts excellent shine, enhances the soft, supple feel of hair, improves texture of damaged hair, and adds conditioning & heat resistance properties. In skin care, these products increase the shine and gloss in color cosmetics and offer excellent compatibility with organic ingredients. These products are utilized for Refractive Index matching in clear skin care formulations.

### Product Specifications\*

Name	INCI Name	Viscosity, cSt	RI	Gum Content %
Andisil® PTM 20	Phenyltrimethicone	20	1.4600	0
Andisil® PTM 34	Phenyltrimethicone (and) Dimethiconol	6,000	1.4540	12
Andisil® PDM 1222	Diphenyl Dimethicone	225	1.4360	--
Andisil® PDM 1443	Diphenyl Dimethicone	400	1.5050	--
Andisil® PXL 2450	Hydrogen Diphenyl Dimethicone	400	1.4630	--
Andisil® PXL 2460	Hydrogen Diphenyl Dimethicone	300	1.5080	--

\* These properties are not intended to be used as specifications but only as suggested characteristics  
Refractive index can be customized to meet your specific formulation requirements

### SKIN CARE

Applications	Benefits
<ul style="list-style-type: none"><li>• Antiperspirant &amp; Deodorant</li><li>• Sun Care</li><li>• Color Cosmetics</li></ul>	<ul style="list-style-type: none"><li>• Cushion</li><li>• Film Forming Properties</li><li>• Lubrication</li><li>• Organic Compatibility</li><li>• Skin Protectant</li></ul>
	<ul style="list-style-type: none"><li>• Spreadability</li><li>• Suitable for Clear Formulations</li><li>• Suitable For Pigment Coatings</li><li>• Tack Reduction</li><li>• Wash off Resistance</li></ul>

### Application Recommendations

Name	
Andisil® PDM 1222	Recommended for anti-wrinkle cosmetics due to refractive index matching
Andisil® PTM 34	Provides improved film forming properties
Andisil® PTM 20	Recommended for dry, non-oily finish and tack reduction; slows water loss by creating a barrier on the skin; ideal for sun care applications. Most commonly utilized phenyl silicone in Personal Care applications
Andisil® PDM 1443	Recommended for use in color cosmetics where increased refractive index is needed
Andisil® PXL 2450	Recommended for use as a surface treatment modifier in pigment coatings
Andisil® PXL 2460	Recommended for use as a surface treatment modifier in pigment coatings

*Beauty.*

In the hands of the  
formulator



# Phenyl Modified Fluids

(continued)

HAIR CARE		
Applications	Benefits	
<ul style="list-style-type: none"><li>• Conditioner (Leave In)</li><li>• Styling Treatments</li></ul>	<ul style="list-style-type: none"><li>• Conditioning</li><li>• For Dry / Damaged Hair</li><li>• Improves Dry Combing</li><li>• Improves Wet Combing</li></ul>	<ul style="list-style-type: none"><li>• Improves Texture</li><li>• Light Residue / Low Build Up</li><li>• Shine Enhancer</li><li>• Soft/Supple Feel</li></ul>

## Application Recommendations

Name
Andisil® PDM 1222 Low viscosity phenyl fluid; recommended for styling aids
Andisil® PTM 20 Recommended for conditioners & styling treatments. Most commonly utilized phenyl silicone in personal care applications
Andisil® PDM 1443 Recommended for serums & sprays; highest Refractive Index

## Storage & Shelf Life

The shelf life, when the container is stored unopened and under proper conditions at room temperature, is expected to be a minimum of twelve months. It is recommended to ground the container when pouring or weighing a quantity into another container or vessel to eliminate the chance of a static discharge.

## Packaging

Andisil Phenyl Modified Fluids for personal care packaging options are available upon request.

For additional information on the product, please contact your Sales Representative.

We believe that the information shown in this Product Bulletin to be an accurate description of the typical characteristics and/or uses of the product. Any suggestions of uses are not to be taken as an inducement to infringe any particular domestic or foreign patent. We recommend that the product be thoroughly tested for a specific application to determine the performance, efficacy and its safe handling and use.

*Beauty.*  
In the hands of the  
formulator

HEADQUARTERS  
AB Specialty Silicones  
3725 Hawthorn Court  
Waukegan, IL 60087

PHONE 908.376.1360  
TOLL FREE 800.678.3024

EMAIL [info@andisil-personal-care.com](mailto:info@andisil-personal-care.com)  
WEB [www.andisil-personal-care.com](http://www.andisil-personal-care.com)