

**Provisional Product Data Sheet of EVALENE® PHF0703  
Homopolymer Polypropylene Grade (Developmental)**

PROPERTY	Test Condition	Test Method	Typical Value	UNIT
<b>PHYSICAL PROPERTY</b>				
Melt Flow	230°C/ 2.16 kg	ASTM D1238	7.0	g/10 min
<b>FILM PROPERTIES*</b>				
Tensile Strength at Yield (MD)	500 mm/min	ASTM D882	22	MPa
Elongation at Yield (MD)	500 mm/min	ASTM D882	8	%
Tensile Strength at Break (MD)	500 mm/min	ASTM D882	10	MPa
Elongation at Break (MD)	500 mm/min	ASTM D882	309	%
Tensile Modulus (MD)	1% Secant, 25 mm/min	ASTM D882	764	MPa
Elmendorf Tear Strength (MD)		ASTM D1922	40	g
Haze		ASTM D1003	0.69	%
<b>PLAQUE PROPERTIES**</b>				
Tensile Strength at Yield	50 mm/min	ASTM D638	34	MPa
Elongation at Yield	50 mm/min	ASTM D638	18	%
Tensile Strength at Break	50 mm/min	ASTM D638	20	MPa
Elongation at Break	50 mm/min	ASTM D638	804	%
Flexural Modulus	1% Secant, 1.3 mm/min	ASTM D790	1316	MPa

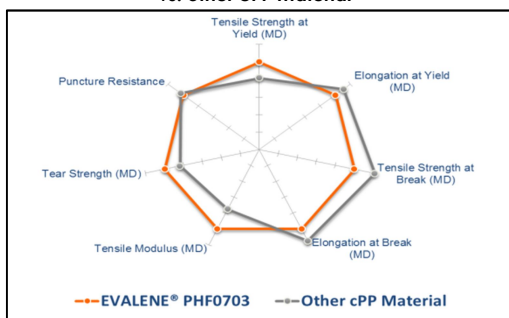
\*Properties tested on 30µ films made using a Killion extruder with 6" flat die, 17rpm screw speed, 1" screw diameter at 200-230°C extrusion temperature.

\*\*Properties tested using ASTM Type I injection molded specimens.

**FEATURES**

- Outstanding optics
- Good processability
- Good mechanical properties
- Good aluminum adhesion

**Figure 1. Mechanical property performance of EVALENE® PHF0703 Films vs. other cPP material**



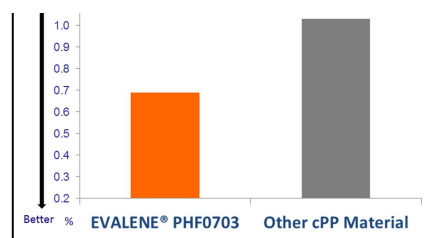
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**TYPICAL APPLICATIONS**

- Metallizable layer in packaging for food and non-food applications

**EVALENE® PHF0703 has better haze than the alternative cPP material.**



**Figure 2. Comparison of haze between EVALENE® PHF0703 and other cPP material (30 micron film)**

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