MARCO POLO INTERNATIONAL, LLC
Worldwide Distributors of Plastic Resins

MARPOL P3875
Polyolefin Plastomer

Product Description: MARPOL P3875 is an ethylene copolymer that offers excellent performance as cling resin in one-sided stretch cling film applications. This polyolefin plastomer provides excellent cling and optics while offering outstanding toughness.

Recommended Applications: Cast and Blown Film Applications

FDA Status: U.S. FDA FCN 424

Properties	Typical Value	Typical Value (SI)	Test Method
Melt index (190°C/2.16 kg)	3.0 g/10 min	3.0 g/10 min	ASTM D 1238
Density	0.875 g/cm^3	0.875 g/cm^3	ASTM D 792
Film Puncture Resistance	190 $ft\text{-}lb/in^3$	15.7 J/cm^3	
Dart Drop Impact	150 g	150 g	ASTM D 1709
Film Cling .8 mil (20.3 µm)[1]	250 g	250 g	ASTM D 4649
Film Cling .8 mil (20.3 µm)[2]	130 g	130 g	ASTM D 4649
Film Cling .8 mil (20.3 µm)[3]	150 g	150 g	ASTM D 4649
Film Cling .8 mil (20.3 µm)[4]	110 g	110 g	ASTM D 4649
Vicat Softening Temperature	118 °F	48 °C	ASTM D 1525
Melting Temperature	154 °F	68 °C	
Gloss 45°	66	66	ASTM D 2457
Haze	4.30 %	4.30 %	ASTM D 1003

Notes

These are typical properties only and are not to be construed as specifications. Users should confirm results by their own tests.

[1] Cast Film, Unstretched
[2] Cast Film, 200% Stretched
[3] Blown Film, Unstretched
[4] Blown Film, 200% Stretched

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