

# CERTIFICATE OF ANALYSIS

**Kit Type:** Composition Calibration Kit  
(Ethylene 1-octene copolymers)

**Part No.:** PMCP-000184

**Expiration Date:**

## Polymer Char

Polymer Characterization, S.A.  
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Standard	O-1
Density (g/cm <sup>3</sup> )	0.940
Melt Index (g/10min)	1.0
CH <sub>3</sub> / 1000C *	2.6
%Wt comonomer	2.1
Standard	O-2
Density (g/cm <sup>3</sup> )	0.909
Melt Index (g/10min)	1.0
CH <sub>3</sub> / 1000C *	16.5
%Wt comonomer	13.2
Standard	O-3
Density (g/cm <sup>3</sup> )	0.902
Melt Index (g/10min)	1.0
CH <sub>3</sub> / 1000C *	21.0
%Wt comonomer	16.8
Standard	O-4
Density (g/cm <sup>3</sup> )	0.885
Melt Index (g/10min)	1.0
CH <sub>3</sub> / 1000C *	33.5
%Wt comonomer	26.8
Standard	O-5
Density (g/cm <sup>3</sup> )	0.868
Melt Index (g/10min)	0.5
CH <sub>3</sub> / 1000C *	45.3
%Wt comonomer	36.2
Standard	O-6
Density (g/cm <sup>3</sup> )	0.870
Melt Index (g/10min)	1.0
CH <sub>3</sub> / 1000C *	45.9
%Wt comonomer	36.7

\* Methyl group frequency from short chain branching, neglecting chain ends

### Storage:

Store the standards in the tightly-closed vials supplied, and in a dry, dark, and cool area, e.g. a refrigerator (4°C).

The values in this certificate have been analyzed by NMR after a double extrusion process, using the best practices and taking into consideration the existing intrinsic limitations of the techniques involved.