

Dispersion of SEPTON™ BIO-series into polyolefin (Homo-PP, LDPE)

Elastomer R&D department
Elastomer division

kuraray **Septon™** BIO-series

Formulation and molding condition

Formulation (phr)	1	2	3	4	5	6
SEPTON™ BIO-series SF902	30			30		
SEPTON™ BIO-series SF904		30			30	
HYBRAR™ 7125F			30			30
Homo-PP *1	70	70	70			
Bio-LDPE*2				70	70	70

*1 MFR 15 g/10 min (230 deg. C/2.16 kg)

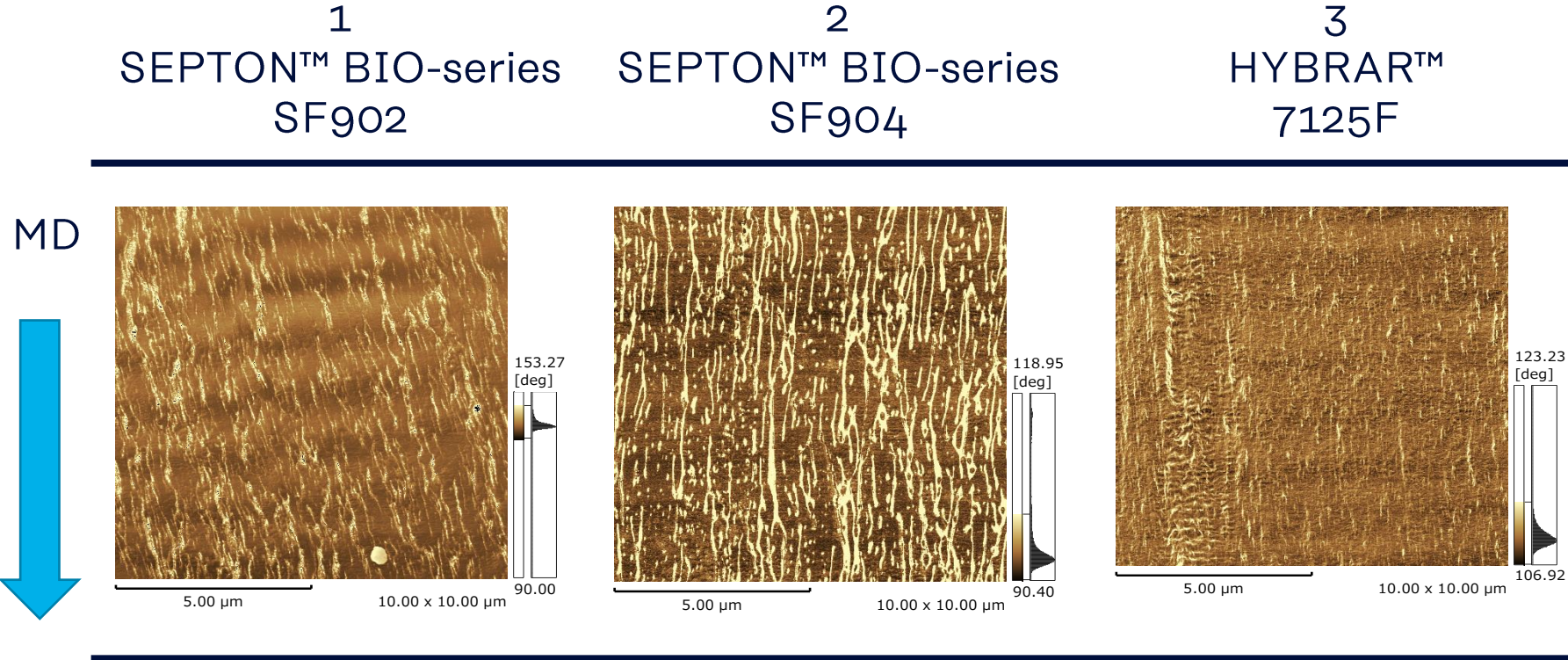
*2 MFR 30 g/10 min (190 deg. C/2.16 kg)

Molding condition: Injection molding

Injection molding machine	Clamping force: 75 tf
Cylinder temp.	210 deg. C
Mold temp.	40 deg. C
Blend	Dry blend

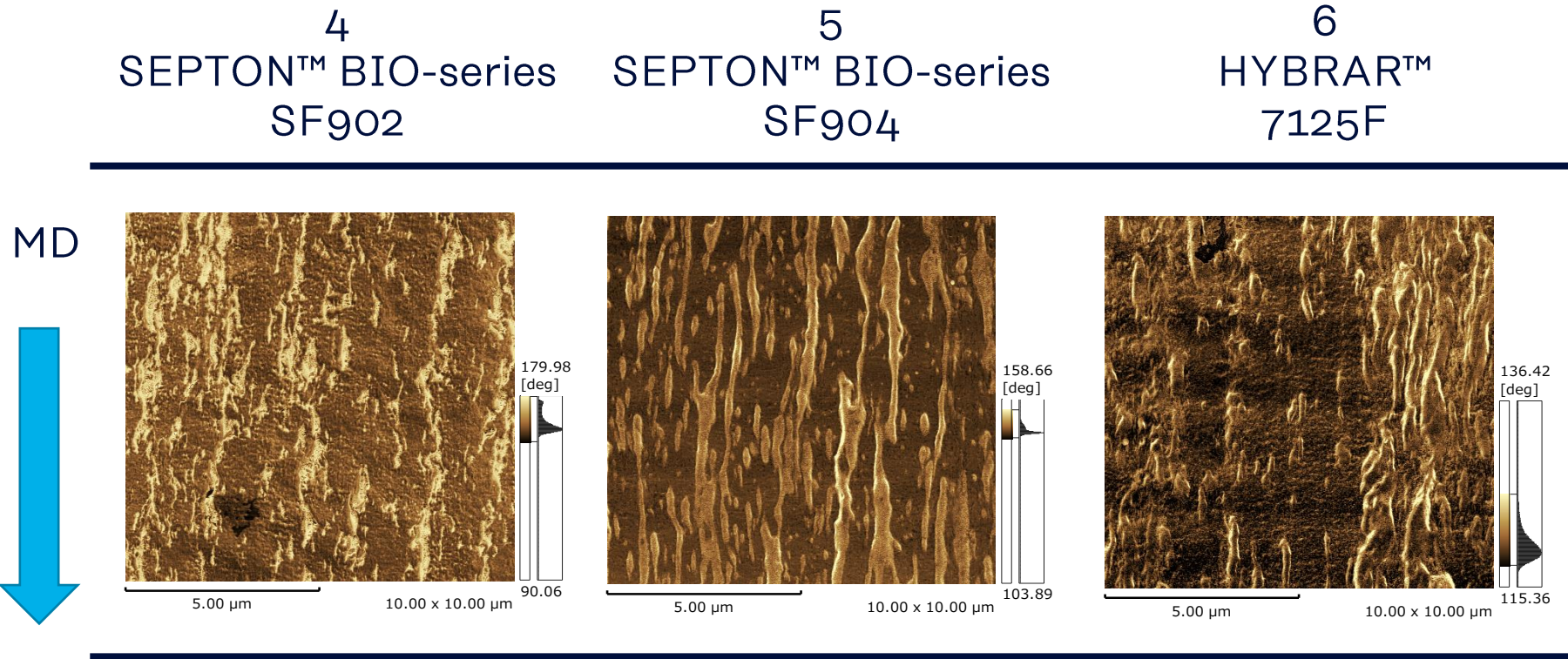
Elastomer/ Homo-PP

SPM images of microtome section of compounds



Elastomer/ LDPE

SPM images of microtome section of compounds



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