VERSALIS SPECIALTY RUBBERS FOR LUBRICANTS

DUTRAL® OLEFIN COPOLYMER PORTFOLIO FOR LUBRICANTS VISCOSITY MODIFICATION

Versalis provides a wide range of grades suitable to be used as thickeners and viscosity index improvers (non-dispersant) in lubricants:

Grade	Propylene content %wt	Mooney viscosity ML (1+4) 100 °C	Physical form(3)
Dutral® CO 034	28	44	B
Dutral® CO 038	28	60(1)	B
Dutral® CO 043	45	33	B
Dutral® CO 058	48	80	B

(1) ML (1+4) 125 °C (3) B = Bales

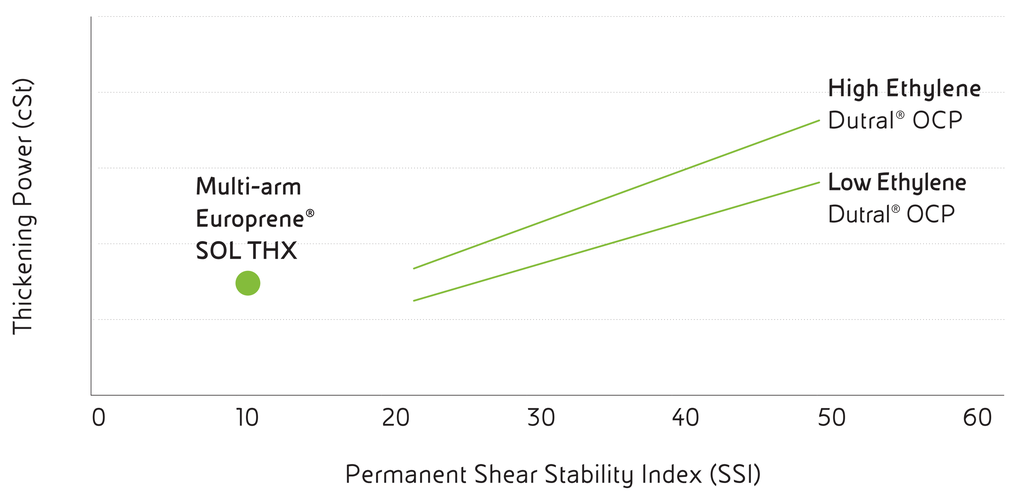
Grade	Propylene content %wt	Mooney viscosity ML (1+4) 100 °C	MFI (190 °C - 2.16 kg) g/10 min	Physical form(3)
Dutral® OCP 2530 PL	34	-	8.5(2)	PL*
Dutral® OCP 2550	48	-	8.3	B
Dutral® OCP 3550	48	-	2.9	B
Dutral® OCP 4530	28	-	0.5	B, PL
Dutral® OCP 5050	48	60	-	B

(2) MFI g/10 min at 230 °C - 2.16 kg (3) B = Bales;
PL = Pellets; *PL = Non-free flowing pellets

EUROPRENE® SOL THX 1050 FOR LUBRICANTS VISCOSITY MODIFICATION

Europrene® SOL THX 1050 is a multi-arm block copolymer obtained by selective hydrogenation of branched styrene-butadiene-styrene block copolymer; it acts viscosity Viscosity Index Improver for high quality lubricants.

Grade	Structure	Styrene %	TP cSt(1)	SSI %(1)
Europrene® SOL THX 1050	Multi-arm	7	4,5	12

(1) 1% weight in Eni SN 150

THICKENING POWER VS. SSI