

PTX X5500

VISCOSITY INDEX IMPROVER

PRODUCT DESCRIPTION :

A high quality, bale form, highly stable ethylene-propylene polymer with controlled molecular weight distribution, manufactured specifically for use as viscosity index improver (VII) in high performance mineral oil based automotive crank case lubricants.

TYPICAL PHYSICAL PROPERTIES:

TECHNICAL DATA SHEET			
TEST	UNIT	RESULTS	METHOD
Appearance		Off-White solid	-
Density		0.86	ASTM D792
Ethylene Content (% ± 1)	%	50	ASTM D3900
K. Viscosity 1% 150N (5.2cSt) /100°C (cSt)	cSt	9.05	ASTM D445
K. Viscosity 10% 150N (5.2cSt) /100°C (cSt)	cSt	450 $\pm$ 50	ASTM D445
Viscosity Index (1% in Gr III 125 VI)		>165	ASTM D2270
Pour point SN150 Control	°C	<-14	ASTM 97
Pour point 1% in SN150	°C	<-14	ASTM 97
Pour point SN150 + 0.3% PPD21 Control	°C	<-35	ASTM 97
Pour point 1% SN150 + 0.3% PPD21	°C	<-31	ASTM 97
Permanent Shear Stability Index (PSSI)		22 $\pm$ 2	ASTM 6022
MFR (190C/2.16Kg)		10.0 $\pm$ 2	ASTM D1238

DISSOLVING:

Cut polymer in to smallest practical pieces for fastest dissolving. Dissolve with high agitation at 12-13% wt. in desired 4-6 cSt base stock at 100°C (min) -120°C (max) until all polymer has been dissolved. This will typically take 4 - 8 hours. Exact dosage should be determined by preparing a laboratory test blend for the desired grade. Consult Petrax Technical Department for specific recommendations. Use with a suitable pour point depressant.

PACKING:

Available in 25 Kg oil-soluble wrapping bales.

SAFETY, HANDLING AND STORAGE:

Wear suitable gloves when handling polymers. Repair any damage to boxes immediately as product can "cold-flow" and leak from the packaging.

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