

INEOS Oligomers

Indopol Polybutene

Grade: H-50

Sales Specifications and Typical Properties

SPECIFICATIONS PROPERTIES	METHOD/ASTM NUMBER (IF APPLICABLE)		
Viscosity (cSt)	Kinematic	D 445	
Min			100
Max			115
Temp (°C)			100
Color (Hazen),max	Pt-Co Scale	mod. D 1209	50
Flash Point (°C), min	Pensky-Martens Closed cup	D 93	135
Water (ppm), max	Coulimetric Karl-Fischer	E 1064	40
Appearance (Clear & Bright)	Visual	n/a	C&B
TYPICAL PROPERTIES*			
Molecular Weight, M_n	Gel Permeation Chromatography	modified D 3536	800
Polydispersity Index, M_w/M_n	Gel Permeation Chromatography	modified D 3536	1.60
Flash Point (°C)	Cleveland Open Cup	D 92	>190
	Luchoire Closed Cup	NFT 60103	-
Turbidity (NTU)	Nephelometric	D 5180	<4
Acid Number (mg KOH/g)	Titrimetric	D 974	<0.05
Bromine Number (g Br ₂ /100g)	Titrimetric	IP 129/87	20
Bromine Index (mg Br ₂ /100g)	Titrimetric	D 2710	-
Chlorine (ppm)	X-Ray Fluorescence	n/a	50
Metals (ppm):	Inductively Coupled Plasma Spec.	n/a	
Na			<1
K			<1
Fe			<1
Specific Gravity (at 15.5 °C)		D 1298	0.884
Glass Transition Temperature, T_g (°C)	Differential Scanning Calorimetry	n/a	-
Pour Point (°C)		D 97	-13
Viscosity Index		D 2270	-
Viscosity (SUS)	Saybolt	D 2161	500
Temp (°C)			100
Refractive Index		D 1218	1.490
Total Sulfur (ppm)	X-Ray Analysis	n/a	< 5

*Note: Not a Sales Specification, data based upon testing of randomly selected lots of product.



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