Technical Data Sheet

Polybol 25

Medium Molecular Weight Polyisobutene

Property	Test Method	Unit	Typical Value
Appearance	Visual	-	Transparent to turbid
Color	Visual		Colorless to yellow
Staudinger Index	BASF method	cm^3/g	49
Kinematic Viscosity at 200 °C	JXE method	mm^2/s	
Brookfield Viscosity at 150 °C	BASF method	mPa.s	700.000
Viscosity Average Molecular Weight Mv	BASF method		85.000
Weight Average Molecular Weight Mw	GPC		110.000
Molecular Weight Distribution Mv/Mn	GPC		3,2
Volatiles at 150 °C, 4 h, 150 mbar	BASF method	%	< 0,3
Isobutene Content	BASF method	mg/kg	25
n-Hexane Content	BASF method	mg/kg	150
C_8-C_{28} Oligomers Content	BASF method	weight %	0,05
Fluorine Content	BASF method	ppm	< 5
Chlorine Content	BASF method	ppm	< 5
Ash Content	BASF / JX method	ppm	< 100
Glass Transition Temperature	DSC	°C	-64
Specific Heat	BASF method	kJ/kg.K	2
Heat Conductivity	BASF method	W/m.K	0,19
Relative Permitivity at 100 Hz, 1 mm, RT	IEC 60250		2,7
Specific Resistance	IEC 60093	Ω.cm	10^{16}
Density, 20 °C	BASF / JX method	g/cm^3	0,92
Penetration, 25 °C	BASF method	mm	8
Water Permeation Coefficient	BASF method	g/m.h.mbar	$2,5 * 10^{-7}$
Refractive Index $n^{20}D$	BASF / JX method		1,51

Before using this product, the user is advised and cautioned to make its own determination and assessment of the safety and suitability of the product for the specific use in question and is further advised against relying on the information contained herein as it may relate to any specific use or application. It is the ultimate responsibility of the user to ensure that the product is suitable and the information is applicable to the user's specific application.

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ISO 9001 BUREAU VERITAS Certification

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