

# Polyisobutylene / Himol

Polyisobutylene is composed of long-chain hydrocarbon formed by polymerization of isobutene and is extremely stable under normal conditions.

It is transparent non-noxious high-consistency semi-solid polymer free of impurities.

Packaging	Carton box (20 kg), Fiber Drum (45.4 kg)
Main Application	Gum Base, Medical Adhesives, Food Packaging

**Table Grades and Typical Properties of HIMOL**

項目 ITEM		グレード GRADE	4H	5H	5.5H	6H	試験法 Test Method
粘度平均分子量 [Mv] Viscosity average molecular weight			42,000	51,000	54,000	59,000	JXE法*1 JXE method
密度 (15°C g/cm <sup>3</sup> ) Density			0.92	0.92	0.92	0.92	JIS K-2249
外観 Apperance		透明異物ナシ Clear from suspended matter					JIS C-2101
確認試験 (赤外吸収) Confirmation test (infrared ray absorption)		1,393 1,370 1,230 950 920cm <sup>-1</sup> に吸収帯を認める Absorption belt observed in 1,393 1,370 1,230 950 and 920cm <sup>-1</sup>					
純度試験 Purity test	溶状 Clarity of solution	微濁 Slight turbidity					食品添加物公定書 (日本) Japanese Standards of Food Additives
	鉛 Lead	2ppm以下 less than 2 ppm					
	砒素 Arsenic	3ppm以下 less than 3 ppm					
	塩素化合物 Chlorinated compounds	Clとして0.028%以下 less than 0.028% as Cl					
総不飽和物 Total unsaturated substance	2.0%以下 less than 2.0%						
低重合物 Low mole. wt. polymer	1.2%以下 less than 1.2%						
強熱残留分 Residue on ignition	0.2%以下 less than 0.2%						
分子量 Molecular weight (Flory)	37,000以上 more than 37,000						
揮発分 Volatiles	0.3%以下 less than 0.3%					FCC法*2 FCC method (FDA)	
鉛 Lead	3以下 less than 3ppm						

\*1 JXE法 : ENEOS Internal Test Method

\*2 FCC法(FDA) : Food Chemicals Codex Method (Food and Drug Administration)