



# Technical Data Sheet

## Bottle Grade Resin

### Product Description

Ismail Resin is a high-performing, visually superior and sustainable product that sets itself apart from other plastic packaging materials on the market. With a unique resin manufacturing process, our customers can not only expect a faster cycle time, but a product with a much lower carbon footprint. Using possible less electricity, Ismail resin will ensure your goods stand out in a marketplace where consumers are becoming more concerned about quality packaging.

### Applications

Suitable for a wide range of applications, including hot and cold beverages, food packaging, pharmaceuticals, disinfectants, and more, our top quality PET Resin offers exceptional performance as well as gloss, clarity and consistency across all resin grades.

Properties	Unit	Test Method	Test Equipment	Ismail Resin Specifications		
				IR 76	IR 80	IR 84
Intrinsic Viscosity (IV)	[dl/g]	ASTM D-4603	Ubbelohde Viscometer IB	$0.76 \pm 0.02^a$	$0.80 \pm 0.02^a$	$0.84 \pm 0.02^a$
Carboxylic End Group	m.mol/kg	PV - 07090.6	Manual Titration with Digital Burette	25±5		
DEG Content	%	PV-09008.7	Gas Chromatograph	1.5±0.2		
Acetaldehyde (AA)	ppm	ASTM F-2013	Gas Chromatograph	≤ 1.0		
Moisture Content	%	ASTM D-6980	Ohaus Moisture Analyser	≤ 0.4		
Melting Point (DSC)	[°C]	ASTM D-3418	Perkin Elmer DSC	247 ± 3		
Color Cie Lab L	White/black	PV-07110.5	Color View	86 ± 2		
Color Cie Lab b	Yellow/blue	PV-07090.6E	Color View	-1 to +1		
No. of Chips/gram	No.	Manual	-	60 ± 5		

### Disclaimer

The information and the data contained here is believed to be correct and there are FDA/EEC compliance certifications and other major food grade approvals available that can be provided upon request.