

VISCOSITY WORK SHEET

Item <u>2880</u>	P.T.No.	Date <u>6-22-55</u>
Worker <u>L. KAY</u>	Polymer <u>Polyethylene</u> ^{Norbornylene}	Solvent <u>DECALIN</u>
For <u>SETTLAGE</u>	Charge <u>1275</u>	Temperature <u>150°C.</u>
Viscometer No. <u>II</u>	Efflux Time <u>168.4</u>	Weight: Gross <u>3.5197</u>
Viscometer No. <u>I</u>	Efflux Time <u>181.0</u>	Tare <u>3.4947</u>
Viscometer No. <u>IV</u>	Efflux Time <u>183.9</u>	Net <u>0.0250</u>

204.7

Sample	Flask	Visc. No.	Solution	Efflux Times	Rel. Visc.	Inh. Visc. or M.W.
4867-72-1	X2	II	240.0; 240.0		1.425	3.54
	K1	I	260.0; 259.9; 259.9		1.434	3.60
-115-1	XP	II	226.4; 226.9; 226.8; 226.8		1.348	2.98
	30	I	242.2; 242.7; 242.3 or (242.4)		1.341	2.94
-115-2	H1	IV	245.9; 246.3; 246.7; 246.7		1.341	2.94
	S	0	275.0; 275.2; 275.7 or 275.3		1.342	2.94
-115-3	41	II	235.3; 235.5; 235.4		1.376	3.34
	209	I	255.2; 255.6; 255.5; 255.5		1.410	3.44
Dissolved & Rn @ 150°C.						
115-1; 115-2 contained visible insolubles						
Double screening removed foreign or insoluble particles.						
Calcd. 2/100 ml. in solvent.						

PC-1

N38746

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