S.R.L. TICINO PLAST

Abstract of PRODUCT LIST

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Ticinoplast, is producing LDPE, LLDPE, mLLDPE, MDPE, HDPE, PP, VLDPE, EVA, EMA, EAA and has a broad portfolio of films for any property in non barrier applications. This range of Films can be classified as follows:

1. Monolayer polyethylene film for general purpose;
2. Monolayer polyethylene film with enhanced properties;
3. Coex PE for sealing applications;
4. Coex PE for Peelable applications;
5. Performance monolayer for with very high sealing properties;
6. Special films;
7. Pharmaceutical films;

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1. Monolayer polyethylene film for general purpose;

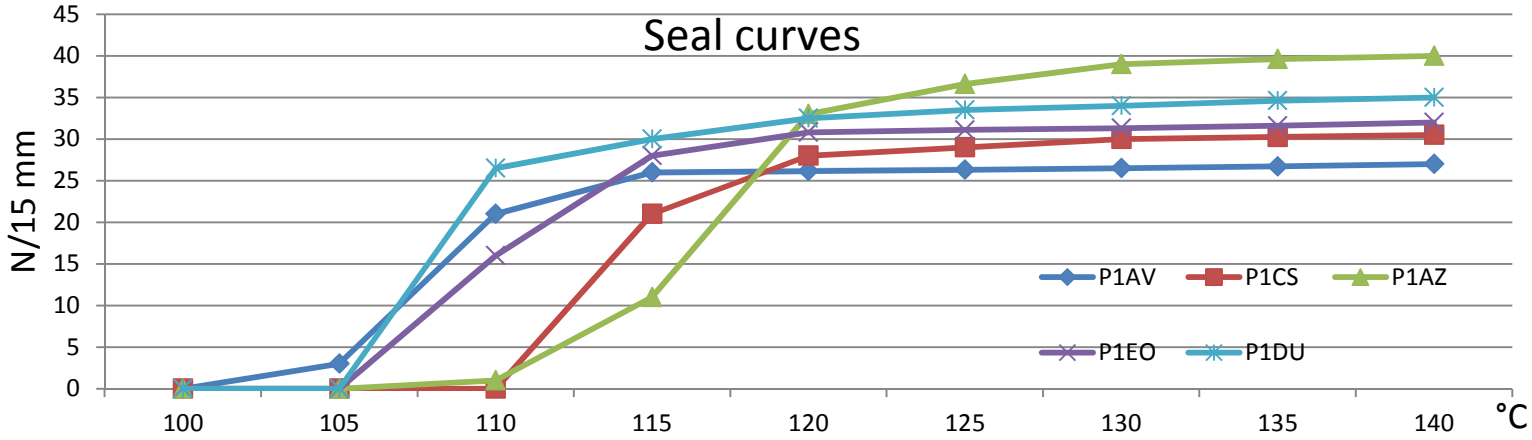
P1AV - LDPE, low slip content, for generic applications at standard seal temperatures;

P1CS - LDPE+LLDPE, low slip content, for improved seal strength at standard seal temperatures;

P1AZ - LLDPE+LDPE, low slip content, for high seal strength at standard seal temperatures;

P1EO - LDPE+LLDPE, high slip content, for improved hot-tack seal at standard temperatures;

P1DU - LLDPE+LDPE, high slip content, for high hot-tack at standard seal temperatures;



Seal curves for PP/Ad/PE – ASTM F88

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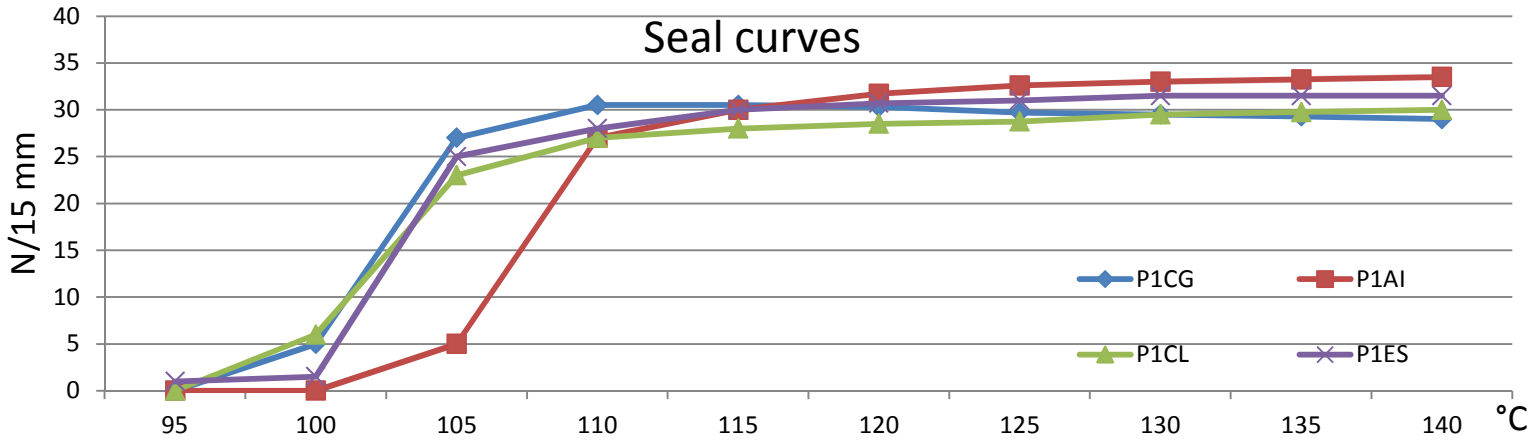
2. Monolayer polyethylene film with enhanced properties;

P1CG – EVA+LLDPE, low slip content, for generic applications at lower seal temperatures;

P1AI – EVA+LLDPE, low slip content, for improved seal strength at lower seal temperatures;

P1CL - EVA+VLDPE, high slip content, for high seal strength at lower seal temperatures;

P1ES - VLDPE+LDPE, high slip content, for improved hot-tack at lower seal temperatures;



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3. Coex polyethylene for sealing;

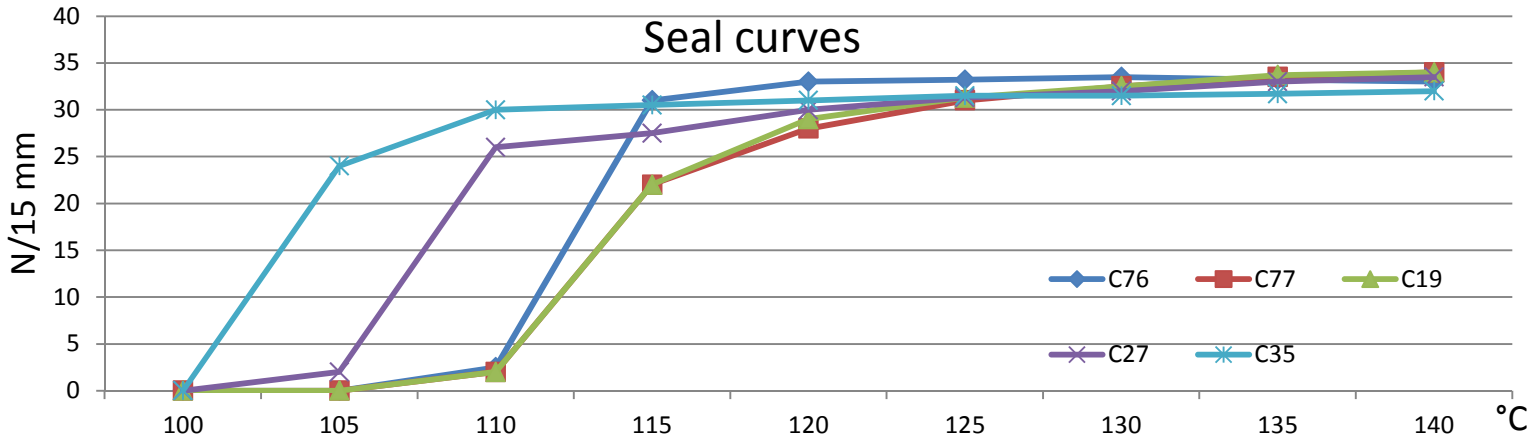
C76 – LDPE+LLDPE, low slip content, for generic applications at standard seal temperatures;

C77 – LLDPE+LLDPE low slip content, for improved seal strength at standard seal temperatures;

C19 - LLDPE+LDPE, high slip content, for generic applications at standard seal temperatures;

C27 - LLDPE+mLLDPE, high slip content, for improved hot-tack at standard seal temperatures;

C35 – mLLDPE+LDPE, high slip content, for high hot-tack at low seal temperatures;



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4. Coex polyethylene for peel;

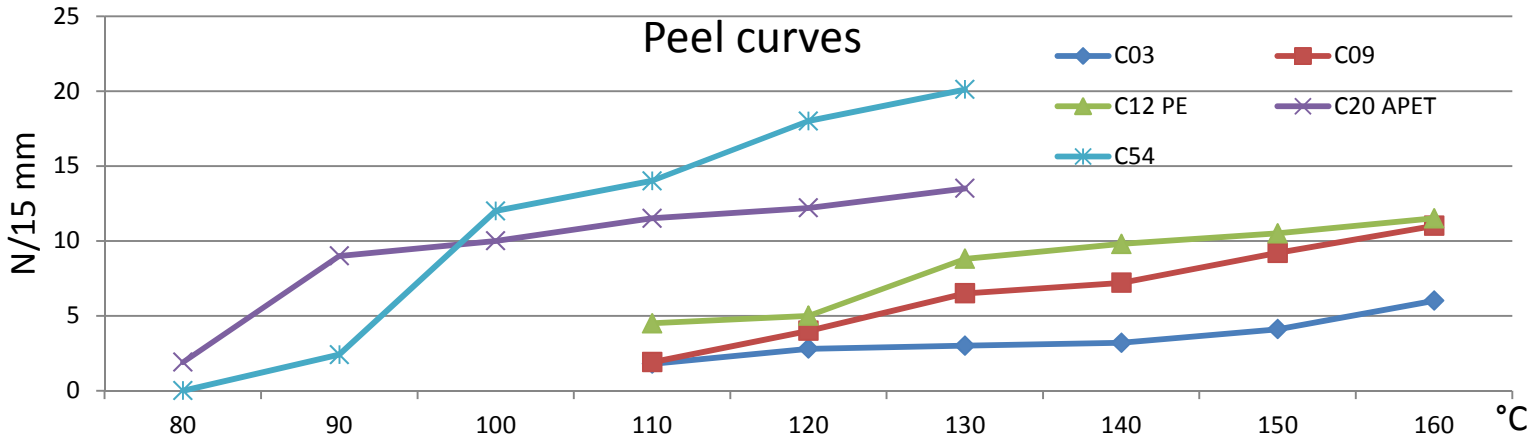
C03 – LDPE+PB, for generic applications at standard seal temperature;

C09 – LDPE+PB, for generic applications at standard seal temperatures;

C12 – Peel on PE and PP

C20 – EVA based universal peel;

C54 – EMA based universal peel;



Peel curves for PP50/Ad/PE50 – Ticinoplast method

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5. High performance monolayer for very high seal characteristics;

P111 – EVA5%, low slip content, for low seal starting temperatures;

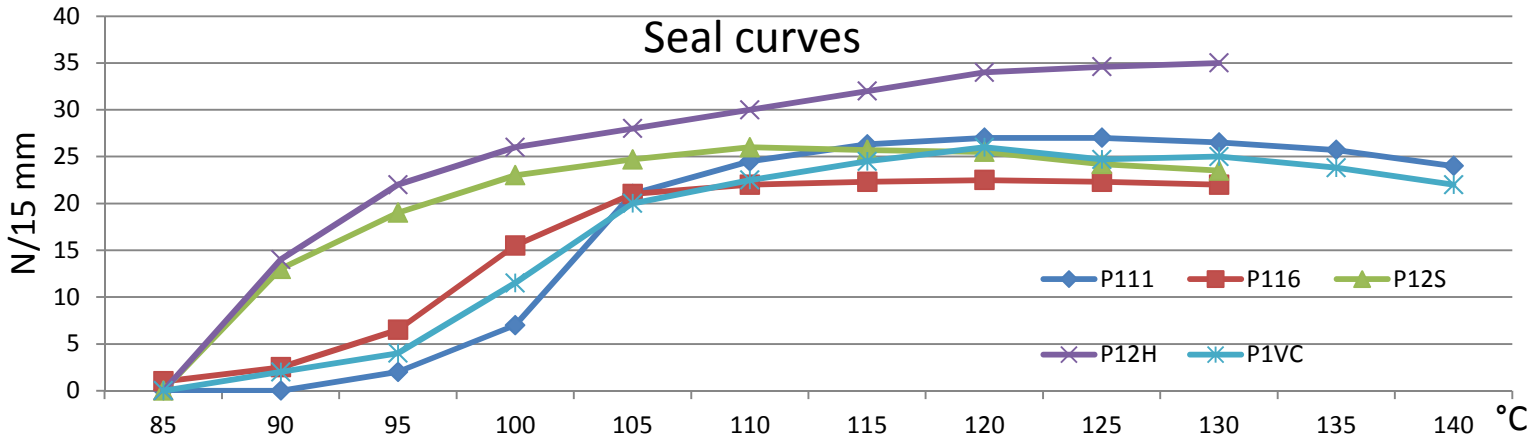
P116 – EVA9%, mid slip content, for extra low seal starting temperatures;

P12S – LLDPE+VLLDPE, high slip content, for high seal strength and low seal starting temperatures;

P12H – VLLDPE+LLDPE, high slip content, for high seal strength and low seal starting temperatures;

P1VC – Surlyn® Na, for high seal strength and low seal starting temperatures;

P1VA - Surlyn® Zn, for high seal strength and low seal starting temperatures;



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6. Special films

P129 - Seal on paper;
RS195 – Double corona treatment;
P1VD – EAA for adhesion on Al and metals;
RS01 – Surlyn® for sealing on glass;
P1CP – For lap seal on PP;
P1HZ – Easy Tear, low seal strength;
C3B – Seal film LDPE for thermo adhesion;
C37 – Peel film on PE for thermo adhesion;
C66 – Seal to Peel on PE and on PP;
C63 – PP Peel retort film;
C56 – Film for labels;
C47 – LDPE Twist film;
C05 – Burst Peel;
DC4 – Deep freeze film;

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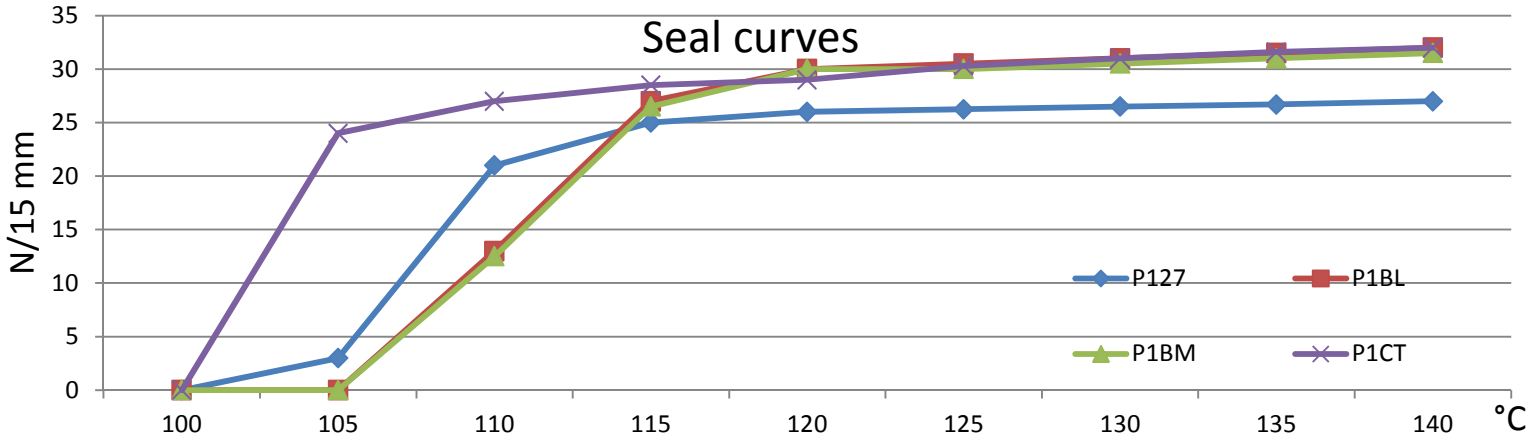
7. Pharma films;

P127 – LDPE without additives;

P1BL – LDPE+LLDPE, with no slip additive and improved seal strength;

P1BM – LDPE+LLDPE, medium slip content, for improved seal strength;

P1CT – LLDPE+LDPE, high slip content, for high seal strength [Pharma Ed. 7 – Par. 3.1.3, 3.1.5];



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Resume table for standard applications

APPLICATION	Thickness Range	HFFS S.I.T.≥110°C	HFFS S.I.T.<110°C
Top of trays as PET//PE	30-50µm	P1AV-P1CS	P1CG-P1AI
Top of trays for additives (AF, AuV)	45-60µm	C76	
Thin bags as PET//PE	30-50µm	P1CS-P1AZ	
Standup pouch w/o spout as PET//Al//PE	60-100µm	C77	
Very fast sealing lines as PET//PE	30-60µm		P111-P116

APPLICATION	Thickness Range	VFFS S.I.T.≥110°C	VFFS S.I.T.<110°C
Bags as PET//PE or PP//PE	50-80µm	P1EO-P1DU	P1CL-P1ES
Very fast sealing lines as PET//PE	30-60µm		P12S-P12H