

EPAFLEX

THERMOPLASTIC POLYURETHANES



*Calitate si Siguranta
de-a lungul timpului*

*Quality and reliability
through time*



Partenerul dumneavoastra in TPU

Compania EPAFLEX a fost infiintata in 1991 ca producator de sisteme pe baza de Poliurea pentru aplicatii in industria de incaltaminte. Nu mult dupa infiintare a fost introdusa o noua linie de produse: granule TPU, adecvate pentru producerea materialelor de coagulare. Aria de produse TPU a crescut de la an la an iar in prezent include 4 linii de productie.

EPAMOULD, pentru turnare prin in jectie si pregatire

EPALINE, pentru extruziune

EPACOL, pentru productia adezivilor pe baza de solventi

PAKOFLEX, pentru producerea materialelor de coagulare

Activitatile EPAFLEX s-au dezvoltat si diversificat cu introducerea a doua noi produse.

EPAFLEX CONSTRUCTION CHEMICALS, materiale poliuretanicice pentru aplicati in constructii

EPACOM, produse pentru materiale compozite avansate.

EPAFLEX este acum activ pe o multitudine de diferite piete si sectoare de aplicatii TPU, ca partener competent si de incredere, cu o puternica incredere in suport tehnic si flexibilitatea ofertei comerciale. Misiunea noastra este de a urmari, intr-un mod personalizat, fiecare proces al dezvoltarii, productiei si livrarii granulelor TPU catre clienti nostri. Cetrificatul ISO 9001 demonstreaza ca procesee noastre sunt adecvate scopului urmarit. Datorita retelei comerciale globale, putem fi aproape de clienti.

Dorim sa va fim partener in domeniul TPU. Nu ezitati sa ne contactati - va stam la dispozitie cu rasunsuri rapide la orice intrebare/solicitare despre produsele noastre.

Your partner for TPU

EPAFLEX was born in 1991 as a system house dedicated to the production of polyurethane systems for footwear applications. Very soon a second line of products has been introduced: TPU granules suitable for production of coagulated fabrics. Our TPU range grew year by year and now includes four product lines.

EPAMOULD, for injection moulding and compounding

EPALINE, for extrusion

EPACOL, for production of solvent borne adhesives

PAKOFLEX, for production of coagulated fabrics

Recently **EPAFLEX** activities grew and diversified with the introduction of two new business units.

EPAFLEX CONSTRUCTION CHEMICALS, dealing with polyurethanes for construction applications.

EPACOM, dealing with products for advanced composite materials.

EPAFLEX is now active in many different TPU markets and application sectors as a competent and reliable partner, which strongly believes in technical support and flexibility of the commercial offer. Our mission is to follow in a customised way every step of the process of development, production and delivery to customers of our granules. ISO 9001 certificate witnesses that our processes are suitable to achieve our targets. Thanks to our global commercial network we can be close to our customers where they are and where they would like to be.

We want to be your partner for TPU. Do not hesitate to contact us: we will be delighted to listen to your requirements and to give you a prompt reply.





EPAMOULD 200

TPU cu eficienta ridicata / High performance TPU

Gama de produse **EPAMOULD 200** include produse pe baza de poliestere stabilizat prin hidroliza. Este utilizat in tumarea prin injectie a produselor tehnice si in procese de extrudare selectiva, ajutand la producerea de obiecte robuste si flexibile.

EPAMOULD 200 series includes hydrolysis stabilised polyester based products. It is routinely used in injection moulding of technical items and in selected extrusion processes and leads to very robust and very flexible items.

Epamould	282A10	285A10	286A55	290A10	293A33	293A34	295A10	295A83W	250D12	255D12	260D12	265D12	272D12	274D12
Duritate - Hardness	80 A	85 A	85 A	90 A	93 A	93 A	95 A	95 A	52 D	55 D	60 D	65 D	72 D	74 D
Abraziune - Abrasion	35	35	40	35	40	40	35	35	40	40	40	40	40	40
Ceara - Wax	■	■	■	■	■	■	■	■	■	■	■	■	■	■
Aprobare alimente FDA	■	■	■	■			■	■	■	■	■	■	■	■
Foc - Fire UL94					V2	V0								

EPAMOULD 600

TPU elastic / Versatile TPU

Gama de produse **EPAMOULD 600** a fost creata pentru a raspunde cerintelor severe din industria de incaltaminte. Aceste produse au cunoscut o continua dezvoltare, incluzand in prezent o gama completa de produse pe baza de poliestere:

- o grupa de produse plastificate, fara ftalat, cu fluiditate ridicata
- O grupa de produse fara plastifiant, robuste, adecvate si pentru aplicatii tehnice

EPAMOULD 600 series was developed to meet the most stringent requirements of the footwear industry. It has since then continuously evolved and now includes a full range of polyester based products

- one group of plasticized, phthalate free, products, with high fluidity
- one group of plasticizer free, robust products, suitable also for technical applications

Epamould	660A26	665A26	665A76	670A26	675A26	675A01	680A26	685A26	686A01	EP 60
Densitate - Density	1,18	1,18	1,18	1,18	1,18	1,05	1,18	1,18	1,05	0,6
Duritate - Hardness	60 A	65 A	65 A	70 A	75 A	75 A	80 A	85 A	86 A	60 A
Abraziune - Abrasion	45	45	45	45	45	85	45	45	85	< 150 mg
Plastifiere - Plasticized	■	■	■	■	■		■	■		
Ceara - Wax							■	■		
Antistatic			■							
Epalight TPU / SBS						■			■	
Expandat - Expanded										■

Epamould	687A10	690A10	650D12	655D12	660D12	660D76	665D12	670D12	672D12	674D10
Duritate - Hardness	87 A	90A	52 D	55 D	61 D	60 D	65 D	70 D	72 D	74 D
Abraziune - Abrasion	45	45	45	45	45	45	45	45	45	45
Ceara - Wax		■	■	■	■	■	■	■	■	■
Aprobare alimente FDA	■	■	■	■	■		■	■	■	■
Antistatic						■				

EPAMOULD 700

TPU de specialitate / Speciality TPU

Gama de produse **EPAMOULD 700** include produse pe baza de polieter. Prezinta stabilitate hidrolitica excelenta, rezistenta ridicata la microbi, fara a necesita aditivi speciali si o flexibilitate foarte buna chiar si la temperaturi scazute.

EPAMOULD 700 series includes polyether based products. They show excellent hydrolytic stability, high resistance to microbes attack without the need for special additives and very good flexibility even at very low temperatures

Epamould	770A26	785A15	786A33	786A34	790A15	795A15	755D15	760D15
Duritate-Hardness	87 A	90 A	52 D	55 D	90 A	95 A	55 D	60 D
Abraziune-Abrasion	45	45	45	45	45	45	45	45
Ceara-Wax	■	■	■	■	■	■	■	■
Aprobare alimente FDA	■	■			■	■	■	■
Plastifiere-Plasticized	■							
Foc-Fire UL94			V2	V0				



Materialele poliuretane termoplastice **EPAFLEX** prezinta o combinatie unica de proprietati avand in acelasi timp o rezistenta considerabila la intindere si elongatie ridicata. De asemenea, prezinta o pierdere foarte scazuta la abraziune si rezistenta ridicata la rupere.

Produsele poliuretane termoplastice **EPAFLEX** fac legatura intre cauciuc si materialele termoplastice obisnuite; in plus, prezinta o rezistenta excelenta la ulei, carburant, solventi si substante chimice.

Produsele **EPAFLEX** sunt produsele pe care le cautati pentru a da forma proiectelor in desfasurare. Va stam la dispozitie oriunde in lume pentru a va prezenta posibilitatile oferite de **EPAMOULD**, **EPALINE**, **EPACOL** si **PAKOFLEX**.

Clientii nostri isi pot pune in aplicare ideile folosind EPAFLEX TPU



EPAFLEX thermoplastic polyurethanes show a unique combination of properties, since they have both high tensile strength and high elongation at break. They also show very low abrasion loss and very high tear strength.

EPAFLEX thermoplastic polyurethanes are the products which bridge the gap between rubber and usual thermoplastic materials; moreover they have excellent oil, fuel, solvents and chemical resistance.

EPAFLEX thermoplastic polyurethanes are the products you are searching to give shape to your growth projects. Do not hesitate to contact us in any corner of the world to discover the possibilities of our **EPAMOULD**, **EPALINE**, **EPACOL** and **PAKOFLEX**.

Our customers can give shape to their ideas using EPAFLEX TPU



EPALINE

Gama de produse **EPALINE** include produse create special pentru extrudarea furtunelor, conductelor, curelelor si profilelor. Va stam la dispozitie pentru mai multe informatii despre alegerea produsului adecvat pentru necesitatile dumneavoastra!

TPU pentru extrudare / TPU for extrusion

EPALINE series includes products specifically developed for extrusion of hoses, pipes, belts and profiles. Do not hesitate to contact us: we can suggest you the product that is more suitable for your specific needs!

Epaline	365A25	380A25	385A25	386A11	386A55	392A11	392A25	392A55	393A33	393A34	350D25	352D25	785A25	786A25	786A33	786A34	788A25
Duritate-Hardness	67 A	81 A	86 A	86 A	87 A	92 A	93 A	93A	93 A	93 A	51 D	53 D	85 A	87 A	86 A	86 A	89 A
Abraziune-Abrasion	55	45	45	45	45	45	45	45	45	45	45	45	50	50	50	50	50
Ester	■	■	■	■	■	■	■	■	■	■	■	■					
Eter-Ether													■	■	■	■	■
Plastifiat-Plasticized	■																
Protectie extrudare Extrusion coating				■		■											
Ceara-Wax		■	■		■			■			■		■	■			■
Caladrare Calendering				■		■											
Foc-Fire UL94									V2	V0					V2	V0	

EPACOL TK

Produsele **EPACOL** au fost create pentru a raspunde cerintelor producatorilor de adezivi pe baza de solventi. Toate produsele prezinta o rezistenta excelenta la hidroliza si pot fi utilizate intr-o gama diversificata de solventi. Putem oferi, la cerere, diferite varietati de vascositate. Nu ezitati sa ne contactati!

TPU pentru adezivi / TPU for adhesives

EPACOL products have been developed to meet the requirements of the producers of solvent borne adhesives. They all show excellent resistance to hydrolysis and can be used in a wide range of solvents. We can supply even customised viscosity ranges, therefore do not hesitate to contact us!

Epacol		TK 42	TK 42 - 300	TK 42 - 3000	TK 54	TK 54 - 3000	TK 560	TK 560 - 500	TK 560 - 3000	TK 570
Vascositate 15% solutie MEK Viscosity 15% MEK solution	mPaS	1700-2200	200 - 600	2800-3600	1700 - 2200	2200 - 3200	1700 - 2200	200 - 600	2500 - 3300	170-220
Activare T-Activation T	°C	55-60	55-60	55-60	60-65	60-65	65-70	65 - 70	65-70	70 -75
Cristalinitate-Crystallinity ***=ridicat/high; ****=foarte ridicat/very high		***	***	***	***	***	****	****	****	****
Rezist. la caldura-Heat resistance	°C	> 60	> 60	> 60	> 65	> 65	> 70	> 70	> 70	> 70

PAKOFLEX

Produsele **PAKOFLEX** au fost create pentru a deservi cerintelor de performanta ale producatorilor de piele sintetica prin coagulare sau invelis de transfer, si sunt extrem de utilizate in acest sector. Putem oferi, la cerere, diferite variante de vascositate. Nu ezitati sa ne contactati!

TPU pentru piele sintetica / TPU for synthetic leather

PAKOFLEX products have been developed to meet the performance requirements of producers of synthetic leather via coagulation or transfer coating, and are widely used in this sector. We can supply even customised viscosity ranges, therefore do not hesitate to contact us!

Pakoflex	050 AE	060 AM	060 AB	080 AM	097 HV	110 DM	110 DB	110 DF	220 DM	220 DB	285 DB	285 DM
Vascositate 25% solutie DMF Viscosity 25% DMF solution	12-18	40-70	20-30	40-70	90-120	40-70	18-35	3-7	40-70	20-30	20 - 30	40 - 70
Duritate-Hardness	86-88 A	87-89 A	87-89 A	90-94 A	51-54 D	51-54 D	51-54 D	51-54 D	69-71 D	69-71 D	72-74 D	72-74 D
Modul rupere-Tensile module		4,6	4,6	5,0	9,5	9,5	9,5	9,5	21,0	21,0	25,0	25,0
Ester	Eter-Ethere	■	■	■	■	■	■	■	■	■	■	■

