

Polyethylene  
**TIPOLEN FD 243-55**  
 LDPE for Film

\*\*\*\*\*

**Description**

**TIPOLEN FD 243-55** is a low density polyethylene grade that contains slipping and antiblocking agents. The films made of **TIPOLEN FD 243-55** have excellent optical properties and processability.

**Applications**

**TIPOLEN FD 243-55** is suitable for high clarity fine films, caps.

**Suitability**

**TIPOLEN FD 243-55** is suitable for food contact. The product complies with FDA, BgVV and EU norms.

**Properties**

		Test method	Unit	Value/ Tolerance limits	Note
Melt flow rate (190 °C/2.16 kg)		ISO 1133/B	g/10 min	4 (3.40-4.60)	Guaranteed
Density		ISO 1183-2	g/cm <sup>3</sup>	0.923 (0.921-0.925)	Guaranteed
Granulate appearance					
Twins				max. 10	
Triplets				max. 5	
Agglutinated pellet		1.3.3.1-2-006	n	max. 3	Guaranteed
4-5-6 or higher					
Discolour, metallic or unknown pellet				0	
Whiteness Index		1.3.3.2-1-111		min. 60	Guaranteed
Pellet number		1.3.3.2-1-007	n/g	30-60	Guaranteed
Antiblock		2-16	ppm	1500-2000	Guaranteed
Slipping agent		2-032	ppm	550-700	Guaranteed
Tensile strength*	MD TD	ISO 527-3	MPa	20 15	Informative
Tensile strain at break*	MD TD	ISO 527-3	%	250 550	Informative
Vicat softening point*		ISO 306	°C	92	Informative
Dart drop*		ISO 7765-1	g	90	Informative
Shore D hardness*		ISO 868	-	48	Informative
Haze*		ISO 14 782	%	10	Informative

\* Data should not be used for specification works. Average mechanical property values of several measurements carried out on standard specimens (ISO 293) conditioned at room temperature (ISO 291).

Together



with a new product portfolio

## Processing

**TIPOLEN FD 243-55** can be used in all conventional extrusion machines.

## Storage and Handling

**TIPOLEN FD 243-55** should be stored in dry conditions at temperatures -20 – +50 °C and protected from UV-light. Improper storage can initiate degradation, which results in odour generation and colour changes and can have negative effects on the physical properties of the product.

## Safety

See MSDS.

## Recycling

Polyethylene resins are suitable for recycling using modern methods of shredding and cleaning. In-house production waste should be kept clean to facilitate direct recycling.

## Notes

The information provided in this publication has been compiled to the best of our present knowledge. However, in view of the various applications of polyethylene resins and the equipment used, the processing conditions may differ.

The recommendations and data herein are to be construed as informatory only and do not relieve users from carrying out their own tests and experiments prior to processing in order to check suitability for a specific use. It is the responsibility of those to whom we supply our products to ensure that any proprietary rights and existing laws and legislation are observed.

Our products are under continuous development, therefore we reserve the right to change the information presented in this brochure at our own discretion.

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft provide infinite opportunities

MEMBERS OF THE MOL GROUP



Together  with a new product portfolio

### MANUFACTURER

Tiszai Vegyi Kombinát Rt.  
H-3581 Tiszaújváros,  
P.O. Box: 20  
Hungary  
**Internet:** <http://www.tvk.hu>  
**E-mail:** [tvkinfo@tvk.hu](mailto:tvkinfo@tvk.hu)

### CUSTOMER SERVICE

Tiszai Vegyi Kombinát Rt.  
Polymer Marketing and Sales  
**E-mail:** [customerservice@tvk.hu](mailto:customerservice@tvk.hu)

#### Customer service PE

**Telephone:** + 36 49 521 367, + 36 80 204 249  
**Fax:** + 36 49 521 186

#### Customer service PP

**Telephone:** + 36 49 522 013, + 36 80 204 248  
**Fax:** + 36 49 522 865

### SALES ORGANIZATION

Tiszai Vegyi Kombinát Rt.  
Polymer Marketing and Sales

#### Sales Department

H-3581 Tiszaújváros,  
P.O. Box: 20  
Hungary  
**Telephone:** + 36 49 522 419  
**Fax:** + 36 49 522 410  
**E-mail:** [polymersales@tvk.hu](mailto:polymersales@tvk.hu)

TIPELIN TIPOLEN TIPLLEN TATREN BRALEN

The joint product portfolio of TVK and Slovnaft provide infinite opportunities

MEMBERS OF THE MOL GROUP



Together  with a new product portfolio

**TVK Inter-Chemol GmbH.**

Felner Strasse 5.  
D-60322 Frankfurt am Main  
Germany

**Telephone:** +49 69 154 04 12  
**Fax:** +49 69 154 04 41  
**E-mail:** gaboragoston@tvkic.de

**TVK Italia S.r.L.**

Via P. Teulié 1.  
20136 Milano  
Italy

**Telephone:** +39 02 58 30 5523  
**Fax:** +39 02 58 30 3492  
**E-mail:** tvkitaly@energy.it

**TVK-France**

182, avenue Charles DeGaulle  
F-92200 Neuilly-sur-Seine  
France

**Telephone:** +33 14 745 63 60  
**Fax:** +33 14 745 45 10  
**E-mail:** tvk.kacsandi@wanadoo.fr

**TVK UK Ltd.**

707 High Road, North Finchley  
London N12 0BT  
Great-Britain

**Telephone:** +44-020/ 8369 5650  
**Fax:** +44-020/ 8369 5656/7

**TVK Polska Sp.z.o.o.**

ul. Wawozowa 23/12  
PL-02-796 Warszawa  
Poland

**Telephone:** +48 22 648 17 95  
**Fax:** +48 22 648 67 94  
**E-mail:** tvkpolska@tvkpolska.pl

**MOL- Austria Handels GmbH.**

Gartenbaupromenade 2/6  
A-1010 Wien  
Austria

**Telephone:** +43 1 51599 0  
**Fax:** +43 1 5133 755 1120  
**E-mail:** petchem@mol-vie.com

**MOL GROUP Moscow**

Representative Office  
RUS-115054 Moscow  
Kosmodamianskaya Nabereshznaya  
D.52 Strojenie 3

**Telephone:** +70 95 363 39 55  
**Fax:** +70 95 363 39 46  
**E-mail:** tvksn@molmow.ru

February 2006

TIPELIN TIPOLEN TIPPLEN TATREN BRALEN

The joint product portfolio of TVK and Sloznaft provide infinite opportunities

MEMBERS OF THE MOL GROUP

